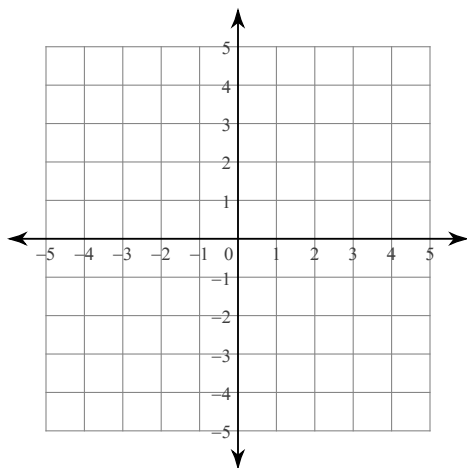


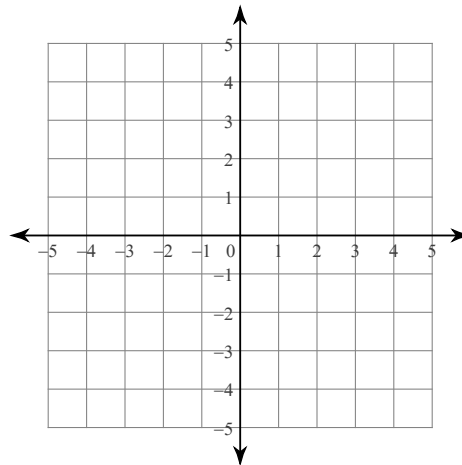
Assignment

Sketch the solution to each system of inequalities.

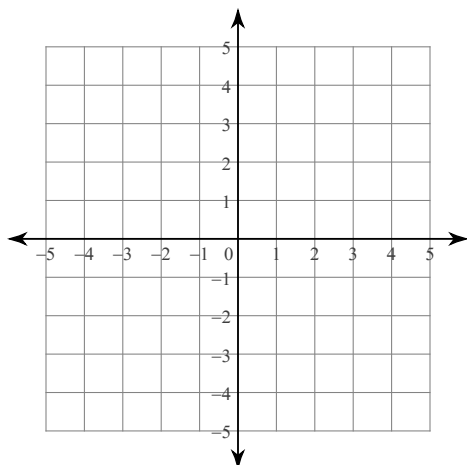
1) $y > x + 3$
 $y \leq -5x - 3$



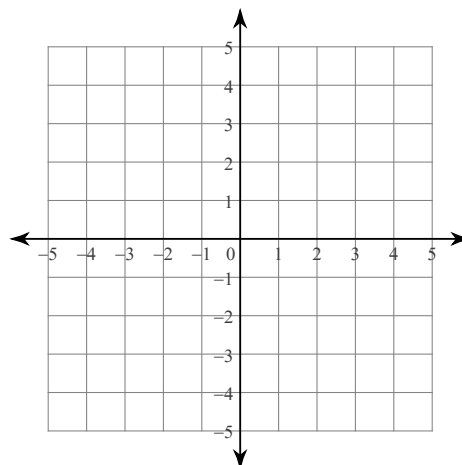
2) $y > -2$
 $y < \frac{4}{3}x + 2$



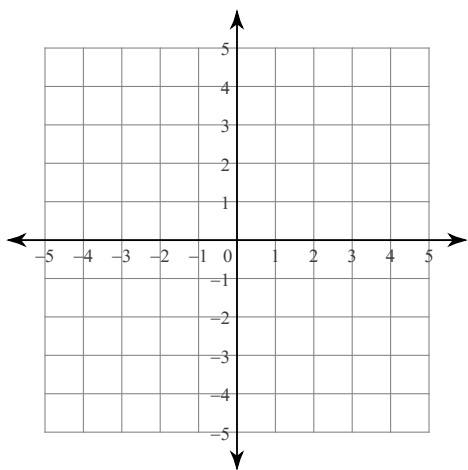
3) $y \geq -x - 1$
 $y > -4x + 2$



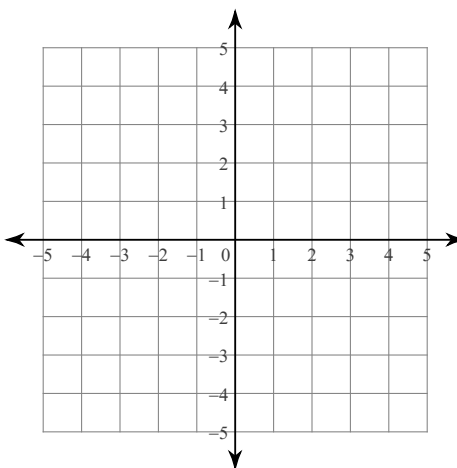
4) $y \geq -2x - 1$
 $y \geq x + 2$



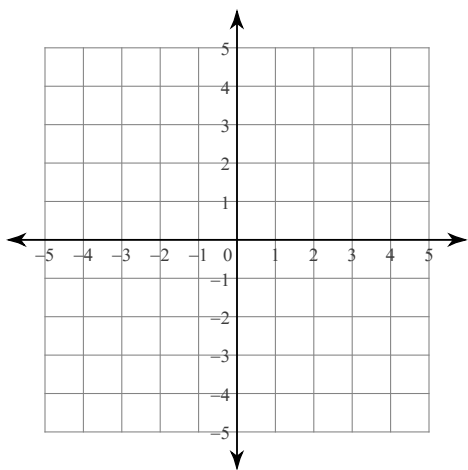
5) $y < -x - 2$
 $y \geq -4x + 1$



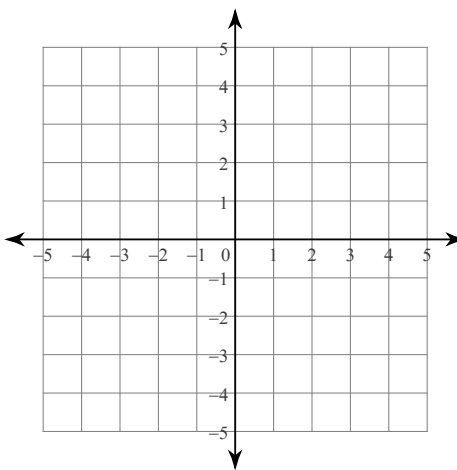
6) $y < \frac{1}{2}x + 2$
 $y < -x - 1$



7) $x < 3$
 $y \leq -\frac{5}{3}x + 2$

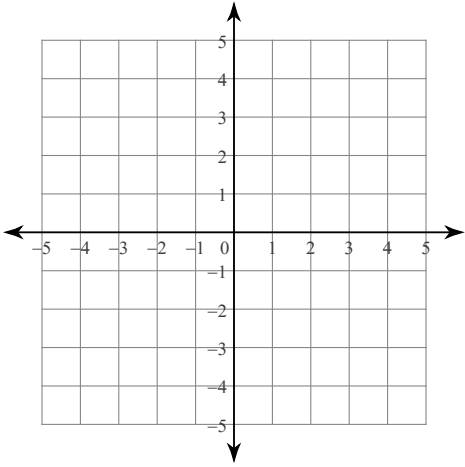


8) $y \geq -\frac{5}{3}x - 2$
 $y \leq -\frac{5}{3}x + 1$



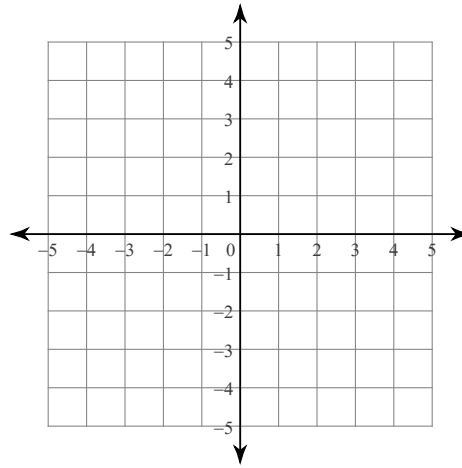
$$9) y \geq -\frac{5}{2}x + 3$$

$$y > -\frac{1}{2}x - 1$$



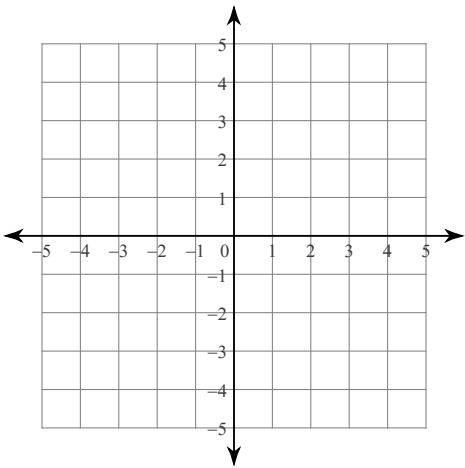
$$10) y \leq -5x - 2$$

$$y \geq -x + 2$$



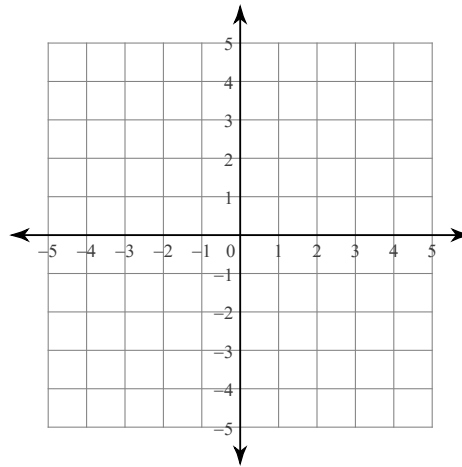
$$11) y \leq 3$$

$$y \leq -2x - 1$$

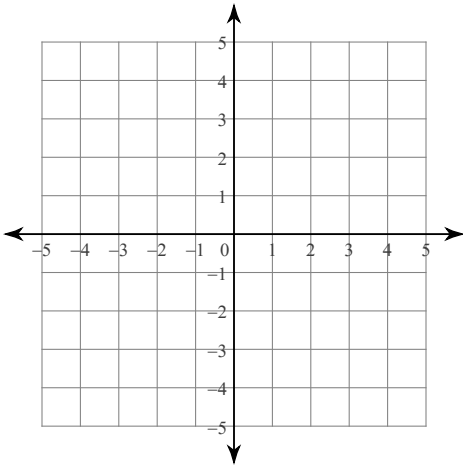


$$12) y < -\frac{3}{2}x + 2$$

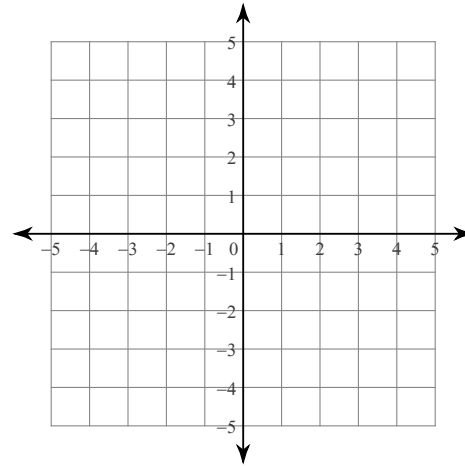
$$y < \frac{1}{2}x - 2$$



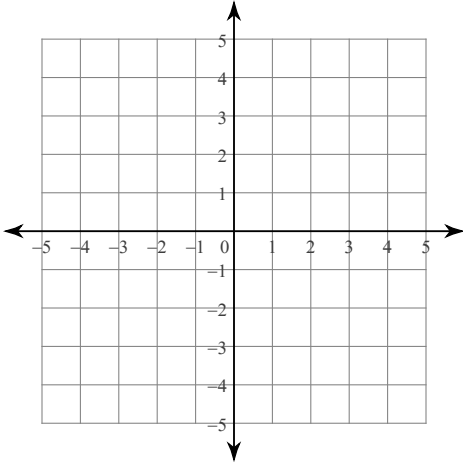
13) $y \geq -3x + 2$
 $y \geq x - 2$



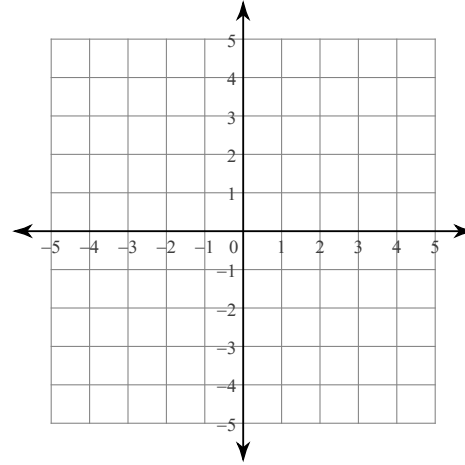
14) $y \geq -\frac{1}{3}x + 2$
 $y < -2x - 3$



15) $y \leq -x - 1$
 $y > -5x + 3$

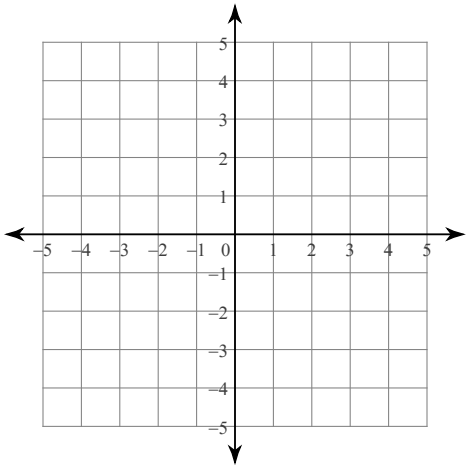


16) $y \geq 5x + 3$
 $y > -x - 3$



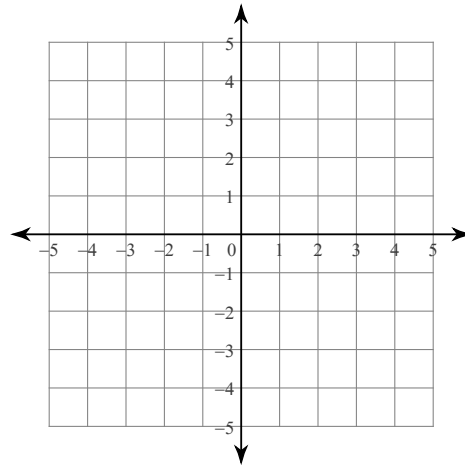
17) $y \geq -\frac{4}{3}x - 2$

$y \geq \frac{1}{3}x + 3$



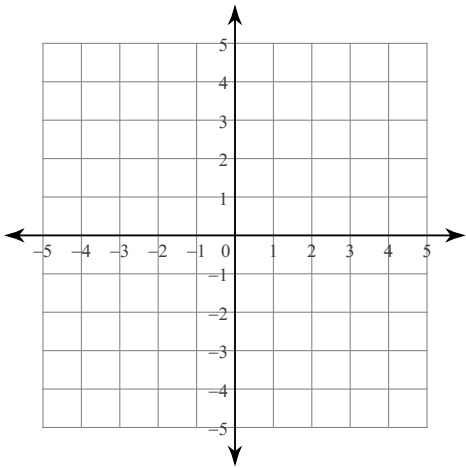
18) $y > \frac{4}{3}x - 2$

$y < -\frac{1}{3}x + 3$



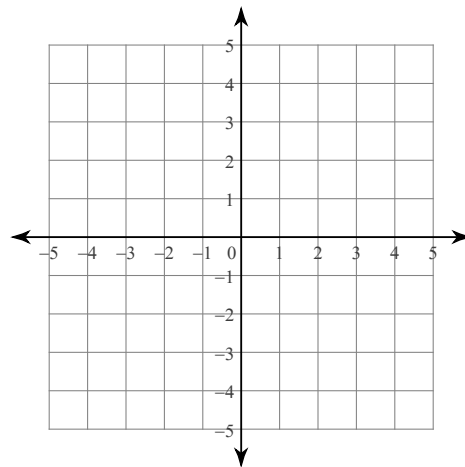
19) $y \leq 2x - 3$

$y \geq -\frac{1}{2}x + 2$



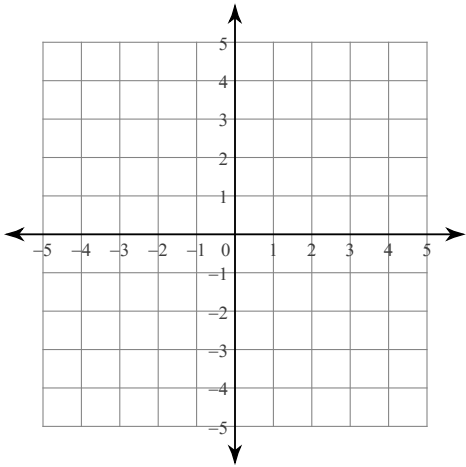
20) $y \geq \frac{4}{3}x - 3$

$y < -\frac{1}{3}x + 2$



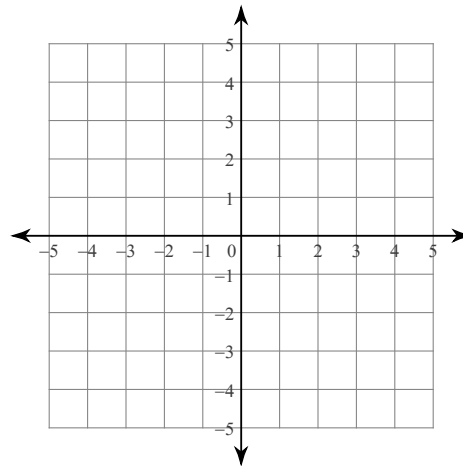
$$21) y \leq \frac{1}{2}x - 2$$

$$y \leq \frac{5}{2}x + 2$$



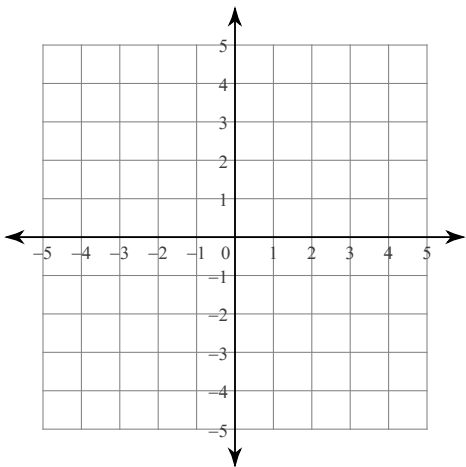
$$22) y \geq \frac{1}{2}x - 2$$

$$y > 3x + 3$$



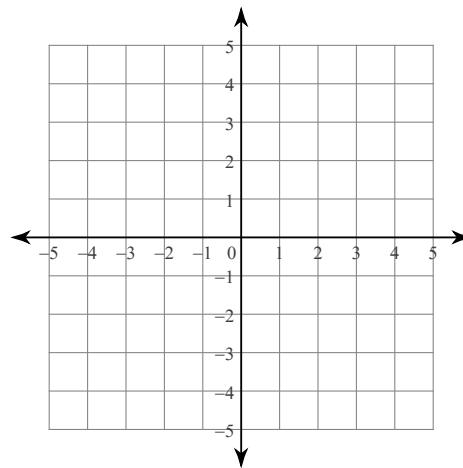
$$23) y < \frac{2}{3}x + 1$$

$$y > -\frac{1}{3}x - 2$$



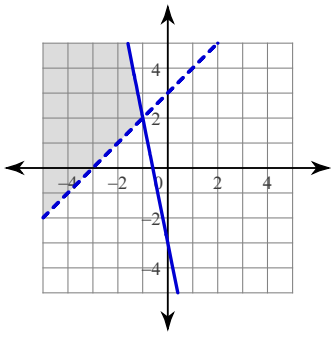
$$24) x \leq -3$$

$$y > \frac{1}{3}x - 2$$

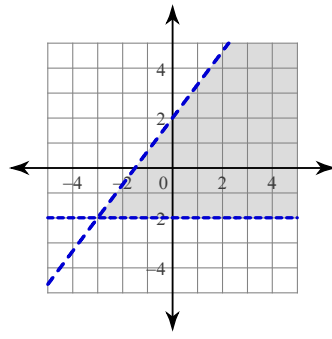


Answers to Assignment (ID: 1)

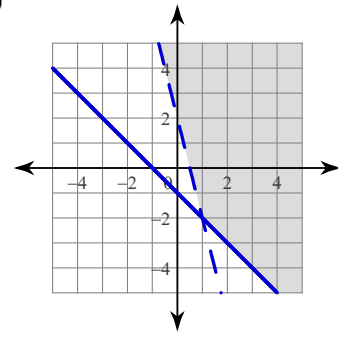
1)



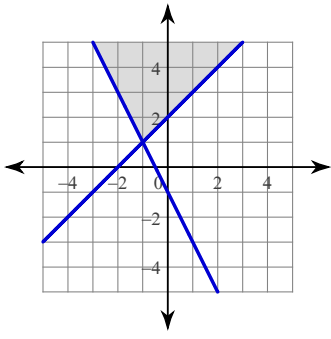
2)



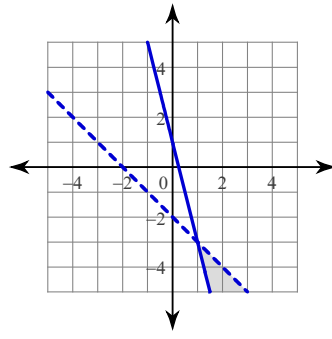
3)



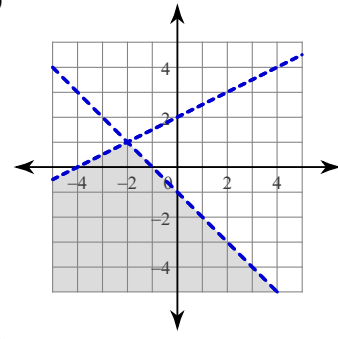
4)



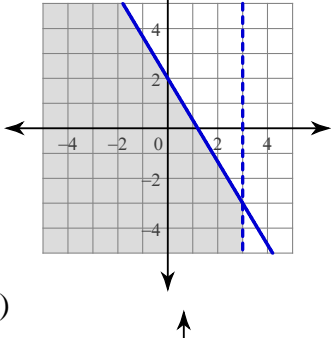
5)



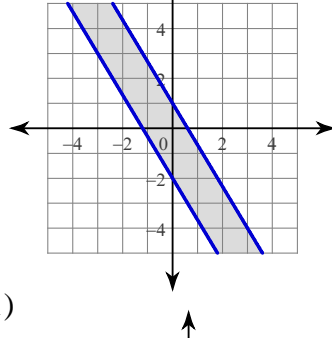
6)



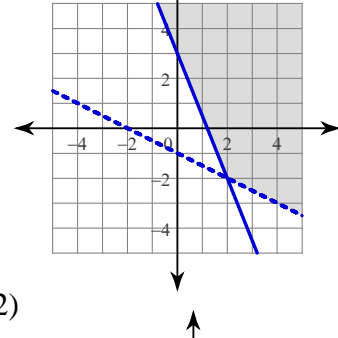
7)



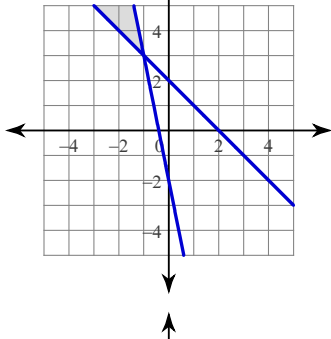
8)



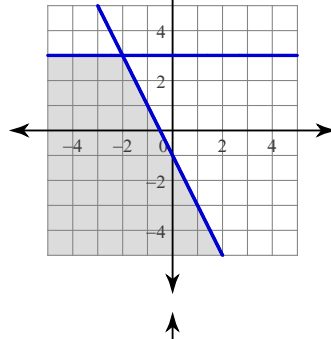
9)



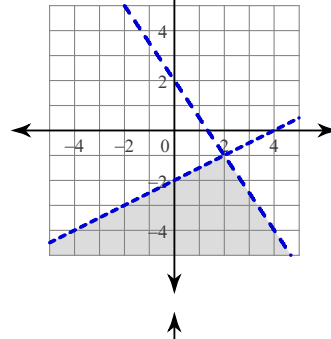
10)



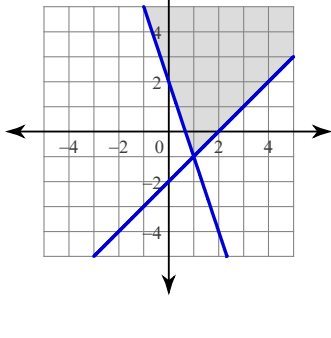
11)



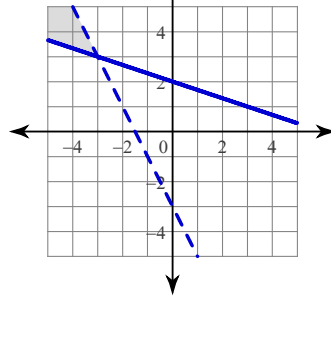
12)



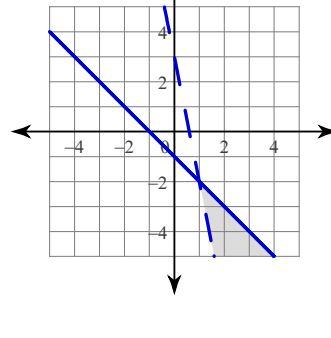
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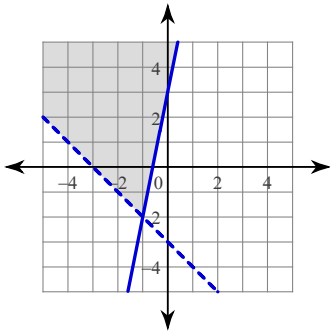
14)



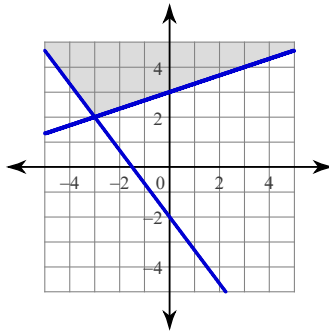
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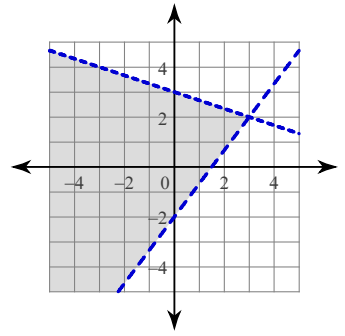
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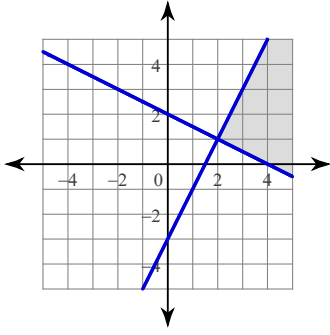
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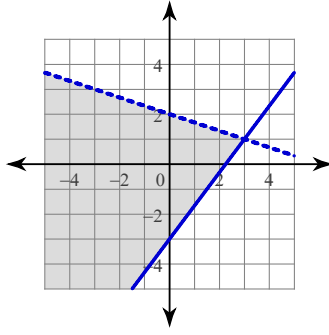
18)



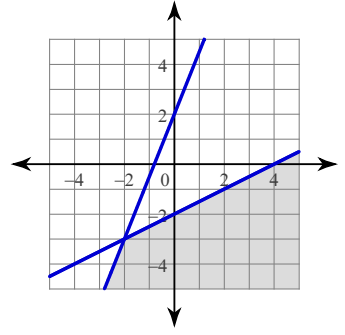
19)



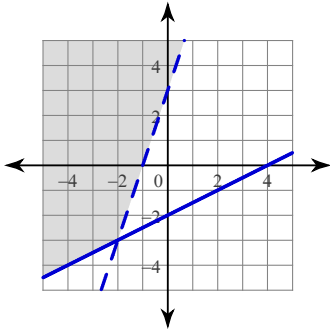
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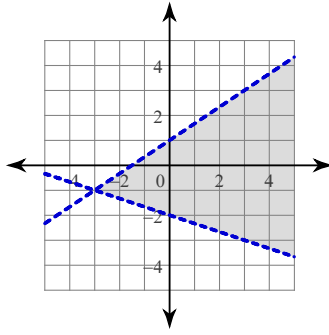
21)



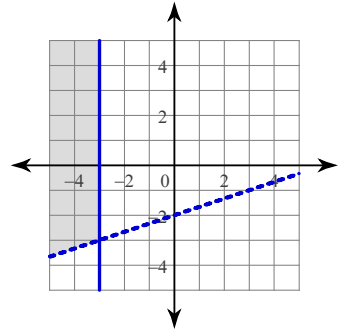
22)



23)



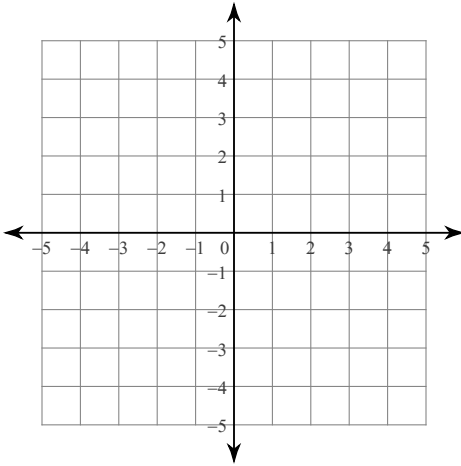
24)



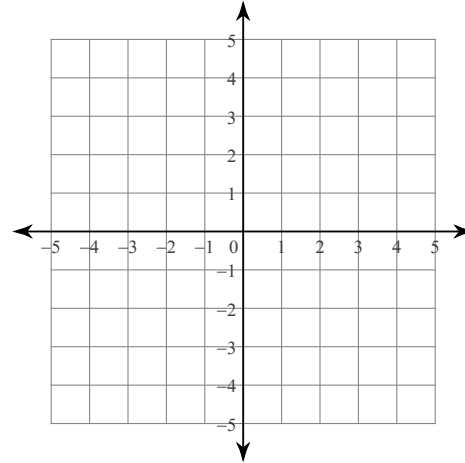
Assignment

Sketch the solution to each system of inequalities.

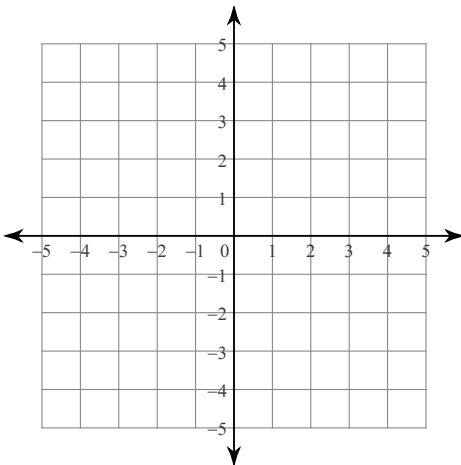
1) $y < 3x + 2$
 $y > 3x - 3$



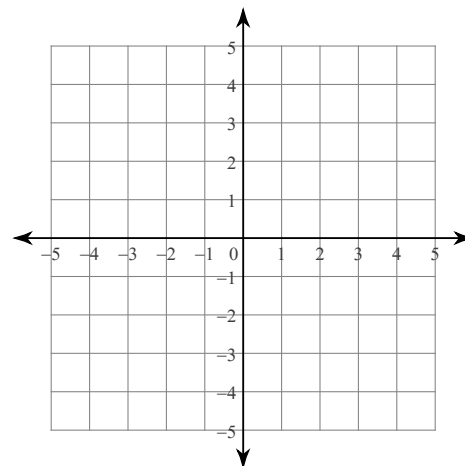
2) $x \leq 3$
 $y \leq \frac{4}{3}x - 1$



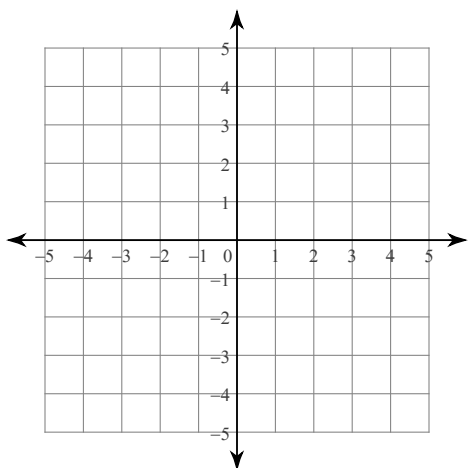
3) $y \leq 2$
 $y < 3x - 1$



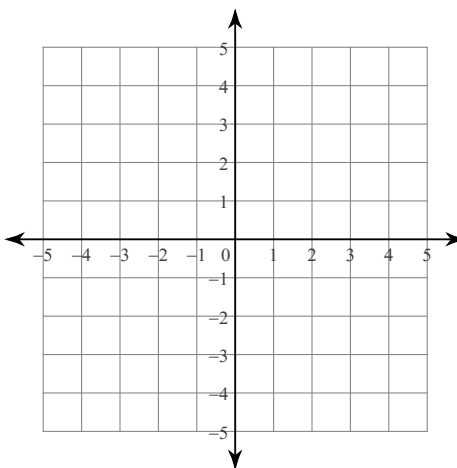
4) $y \geq -\frac{1}{3}x + 2$
 $y \geq -\frac{4}{3}x - 1$



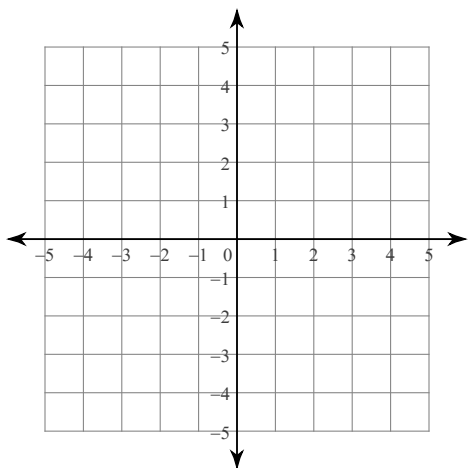
$$5) \begin{aligned} y &\leq -2x - 3 \\ y &< 3x + 2 \end{aligned}$$



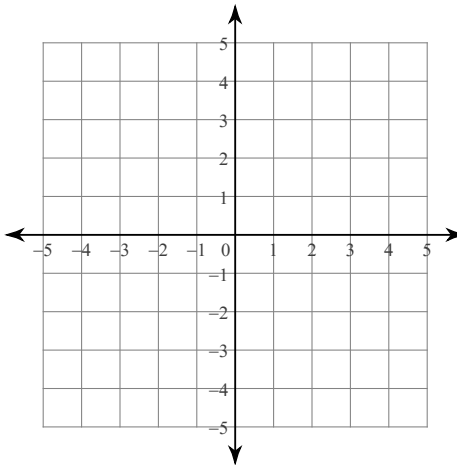
$$6) \begin{aligned} y &\leq -\frac{1}{2}x - 3 \\ y &> \frac{5}{2}x + 3 \end{aligned}$$



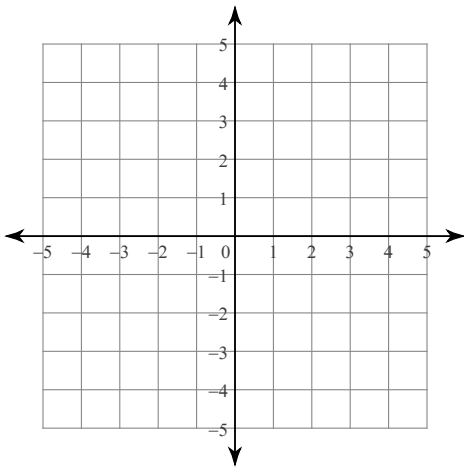
$$7) \begin{aligned} y &\geq -\frac{1}{3}x - 2 \\ y &\leq -\frac{4}{3}x + 1 \end{aligned}$$



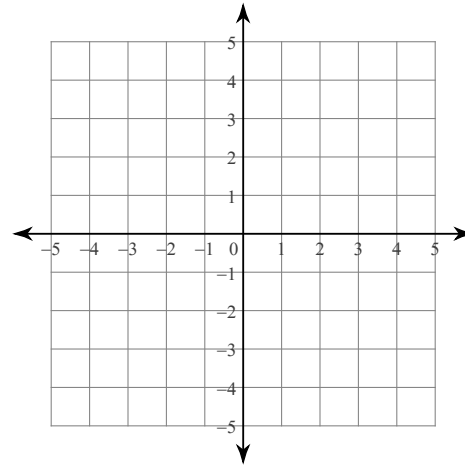
$$8) \begin{aligned} y &\leq -x + 3 \\ y &\geq 2x - 3 \end{aligned}$$



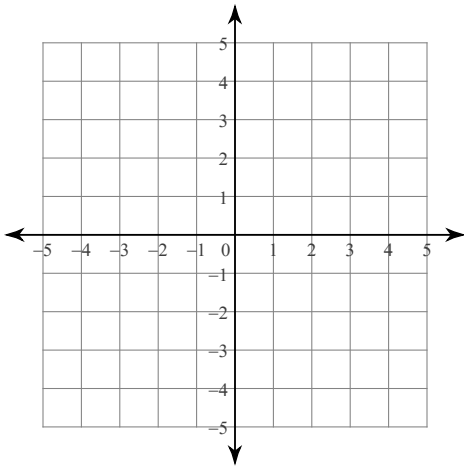
9) $x \leq 1$
 $y > x + 1$



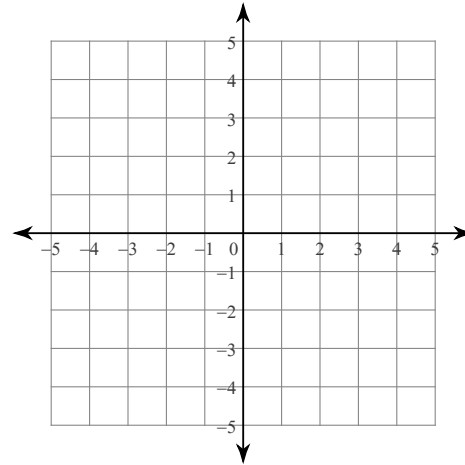
10) $y \leq -2x + 3$
 $y < -\frac{1}{3}x - 2$



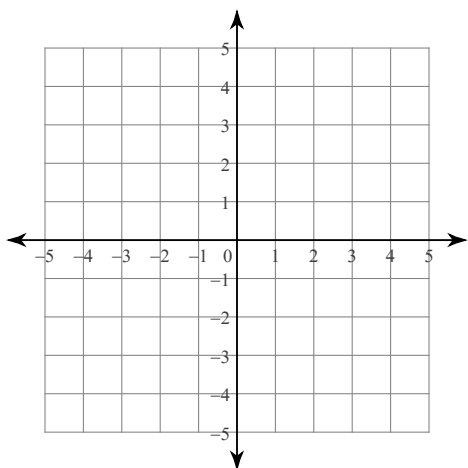
11) $y \leq -2$
 $y \leq \frac{5}{3}x + 3$



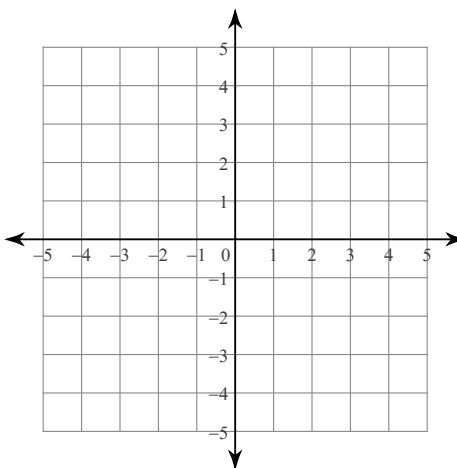
12) $y > 3x + 2$
 $y > 3x + 1$



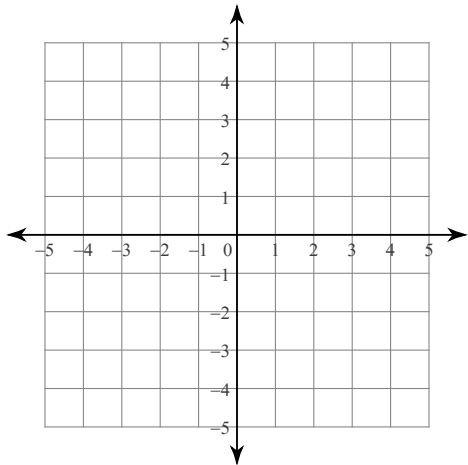
13) $y > -4x - 3$
 $y \geq 2x + 3$



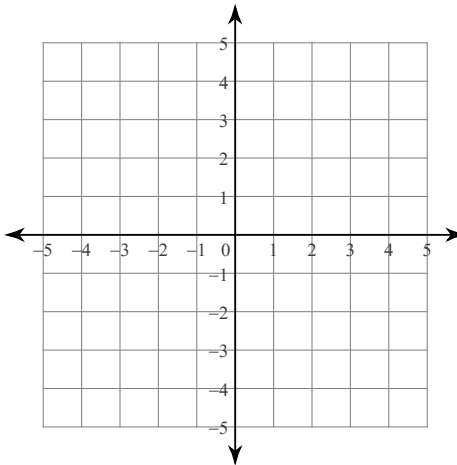
14) $y < -\frac{5}{2}x + 2$
 $y < -\frac{5}{2}x + 3$



15) $y > -5x + 2$
 $y > -x - 2$

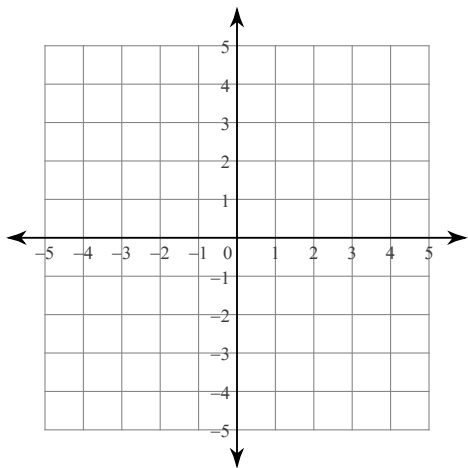


16) $y > x + 2$
 $y > 5x - 2$



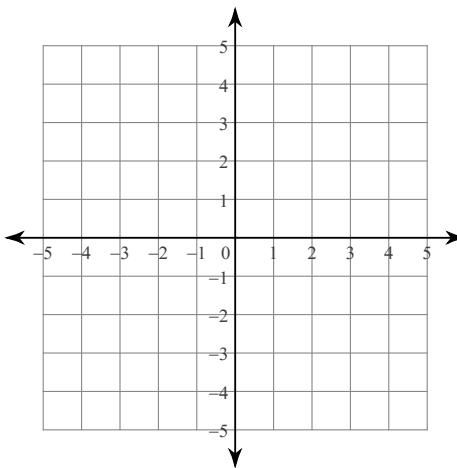
17) $y > -x + 2$

$y > \frac{2}{3}x - 3$



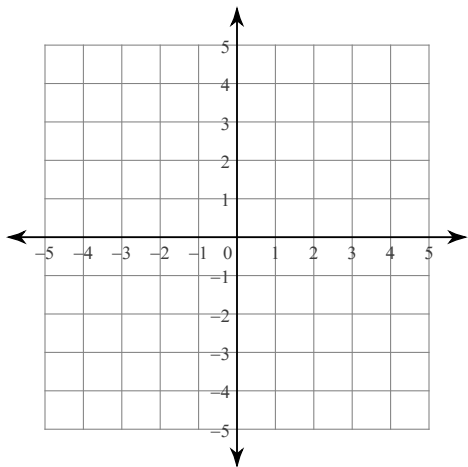
18) $y > -2x - 1$

$y > -\frac{1}{2}x + 2$



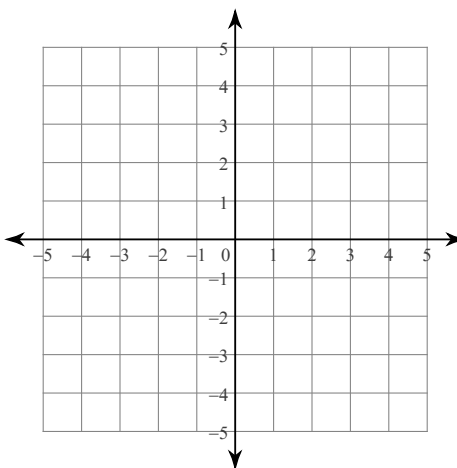
19) $y \geq 4x + 1$

$y \leq -3$



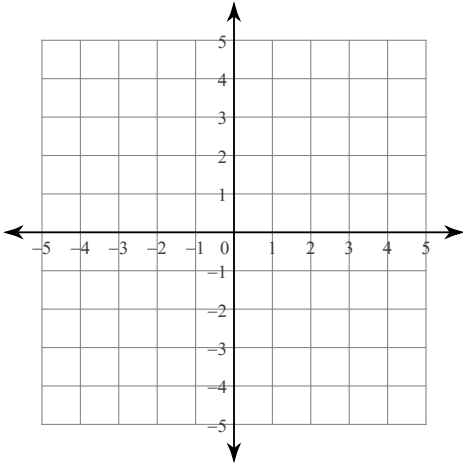
20) $y \leq -\frac{3}{2}x + 1$

$y < -\frac{1}{2}x - 1$



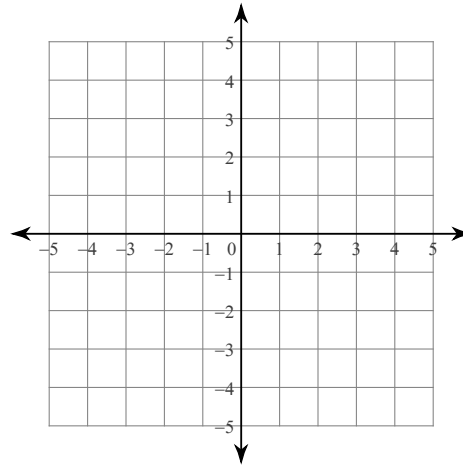
21) $y > \frac{1}{3}x - 2$

$y < -\frac{4}{3}x + 3$



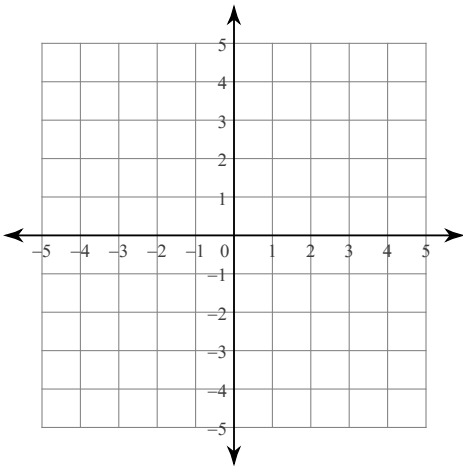
22) $y < -\frac{1}{2}x + 1$

$y > -2x - 2$



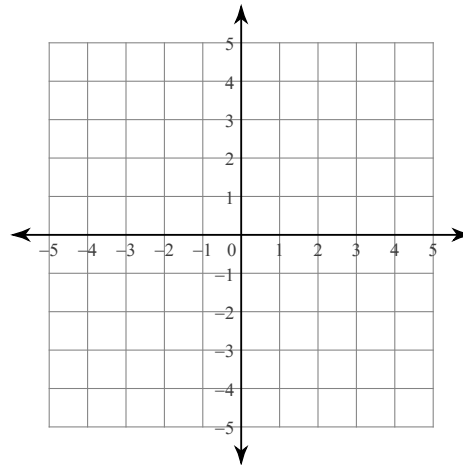
23) $y < -\frac{5}{2}x - 3$

$y \leq 2$



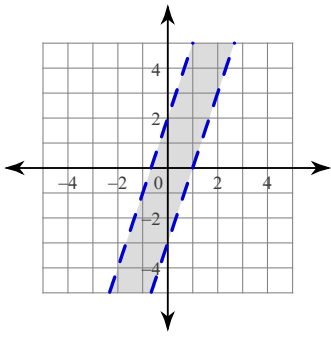
24) $y > -5x + 3$

$y < -5x + 1$

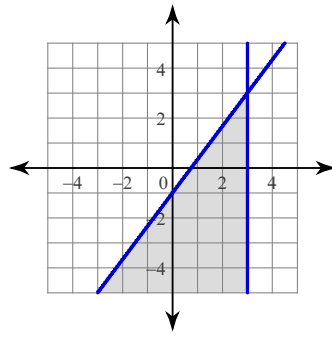


Answers to Assignment (ID: 2)

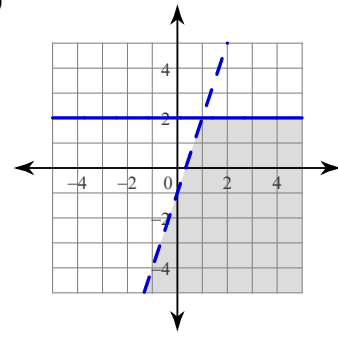
1)



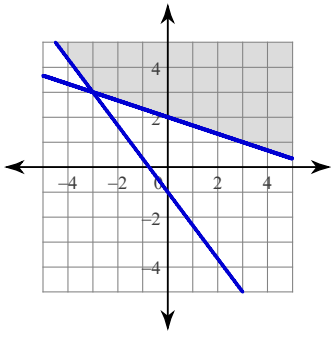
2)



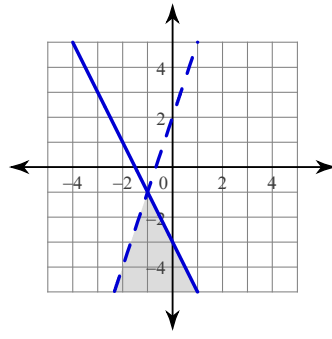
3)



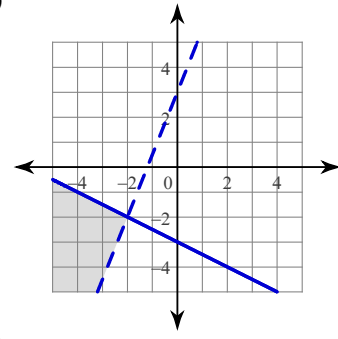
4)



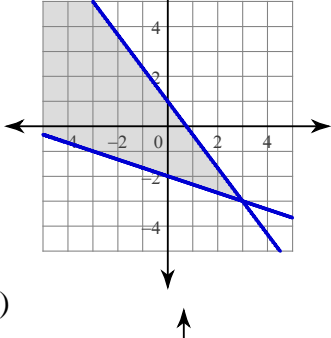
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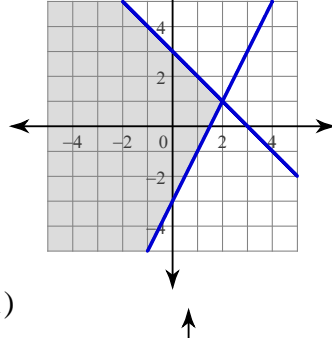
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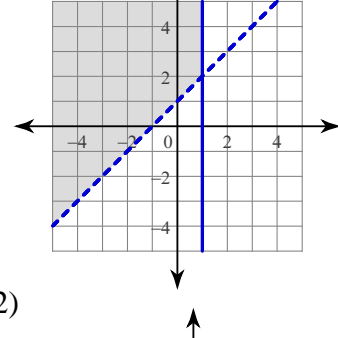
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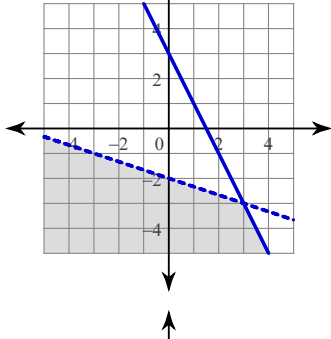
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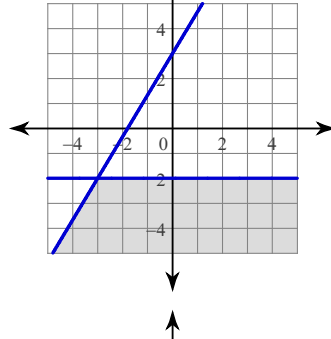
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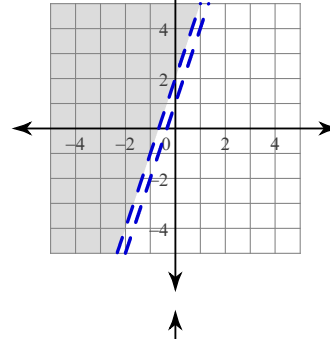
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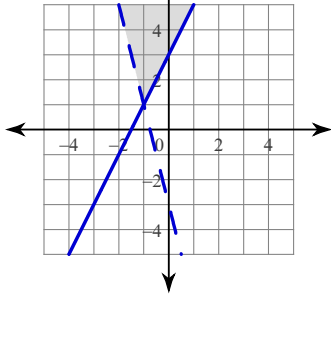
11)



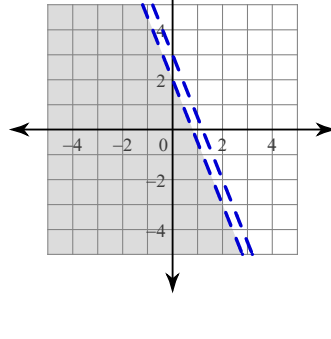
12)



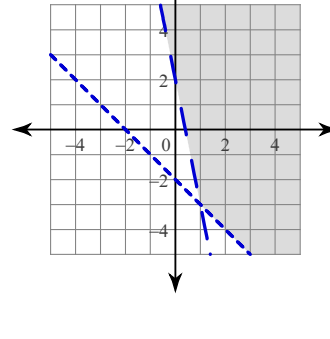
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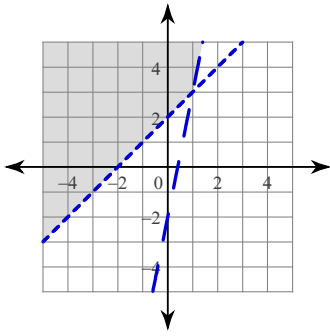
14)



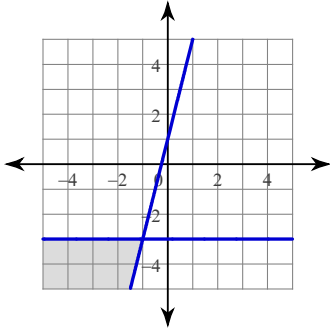
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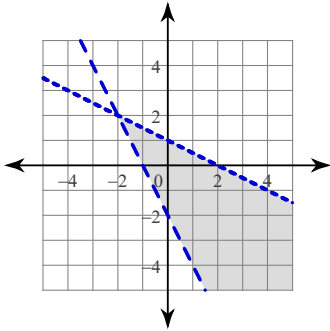
16)



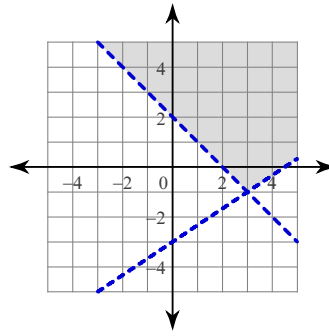
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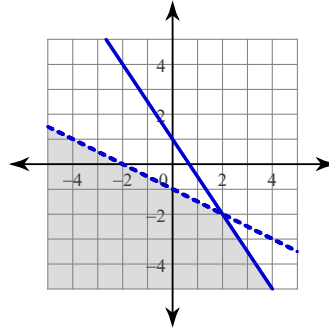
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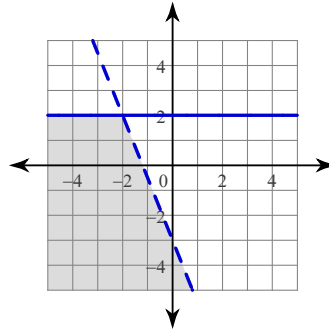
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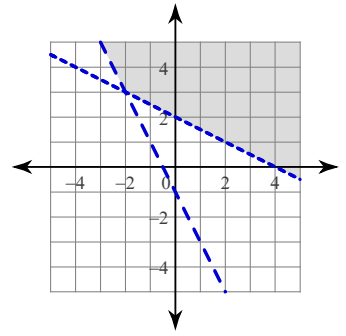
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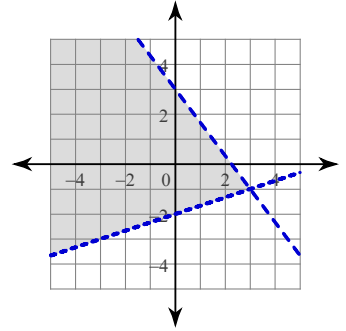
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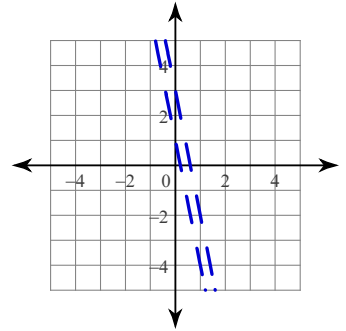
18)



21)



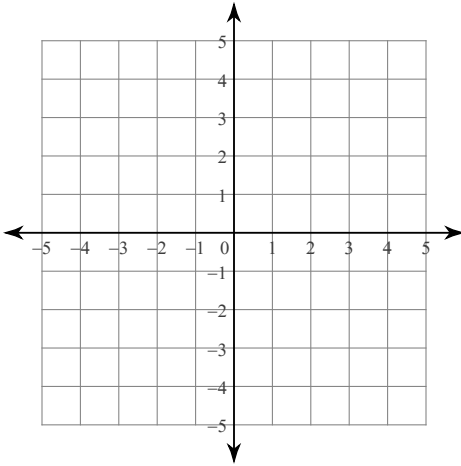
24)



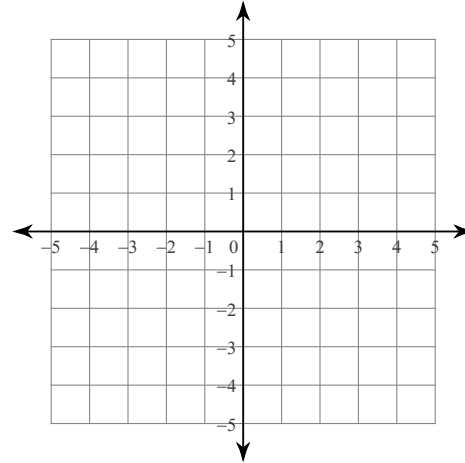
Assignment

Sketch the solution to each system of inequalities.

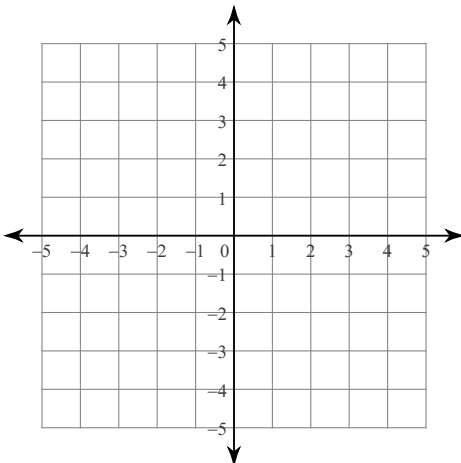
1) $y > -x - 2$
 $y \leq -x - 1$



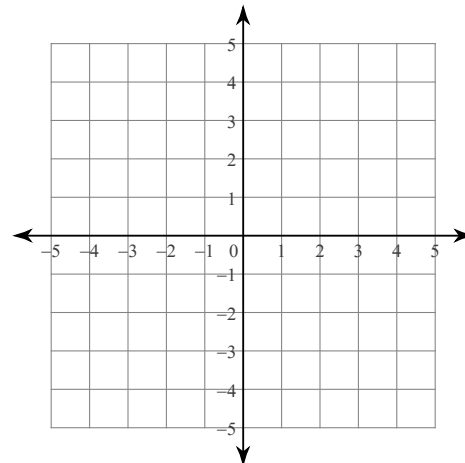
2) $y > -\frac{1}{3}x - 2$
 $y < -2x + 3$



3) $y < 6x + 3$
 $y \leq x - 2$

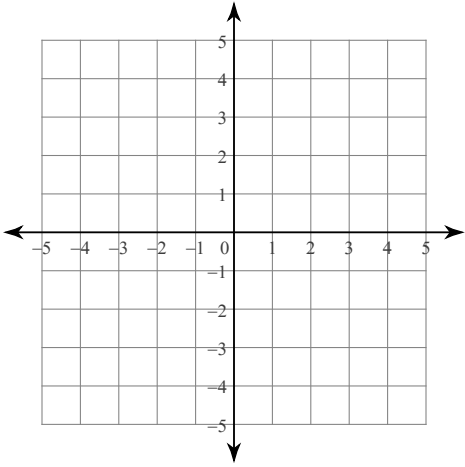


4) $y \geq 4x - 1$
 $y < 4x - 3$

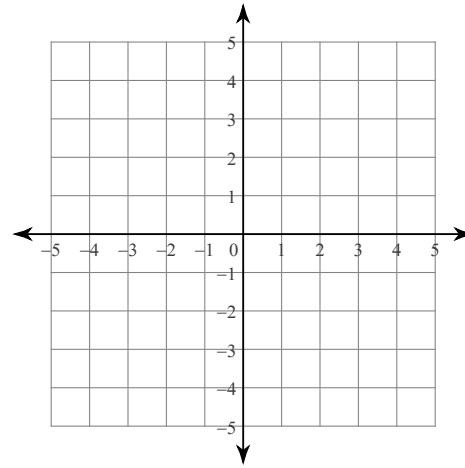


$$5) y \leq -\frac{2}{3}x + 3$$

$$y < \frac{4}{3}x - 3$$

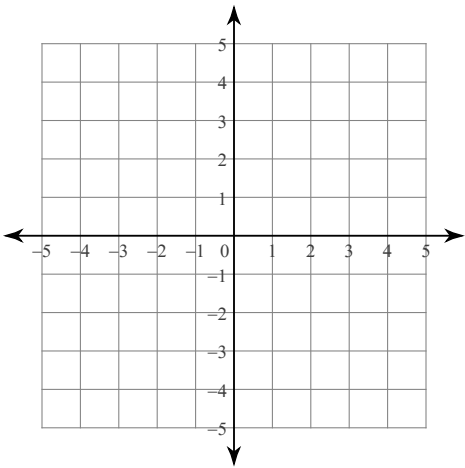


$$6) y \geq x + 2$$
$$y \leq -4x - 3$$

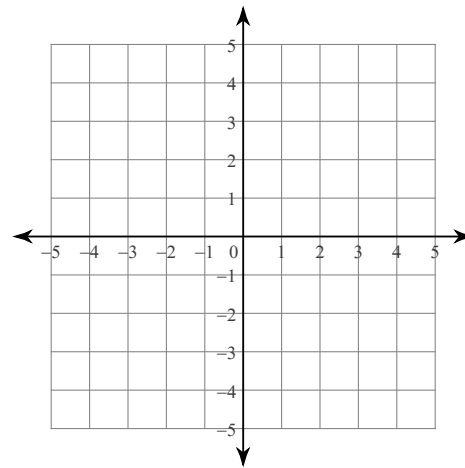


$$7) y \geq \frac{1}{2}x - 2$$

$$y < \frac{5}{2}x + 2$$

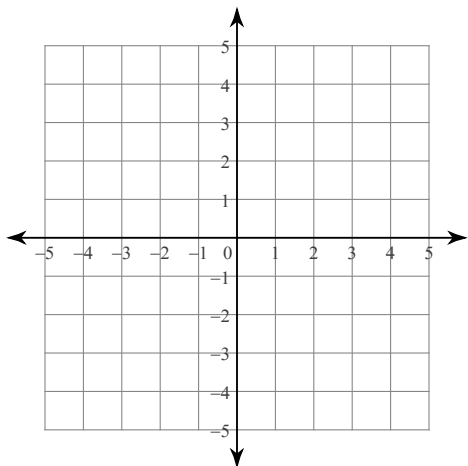


$$8) y \geq 4x + 3$$
$$y \geq -1$$



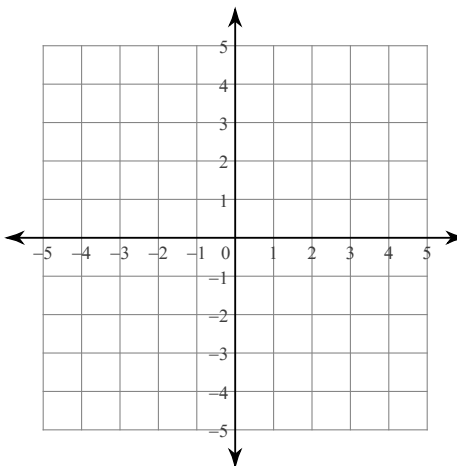
9) $y > 3$

$$y < -\frac{5}{3}x - 2$$



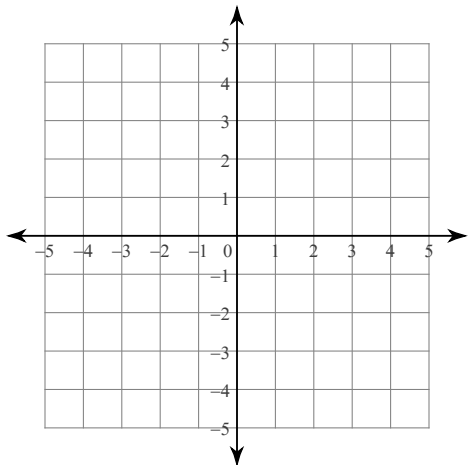
10) $y < -2x - 1$

$$y < -\frac{1}{2}x + 2$$



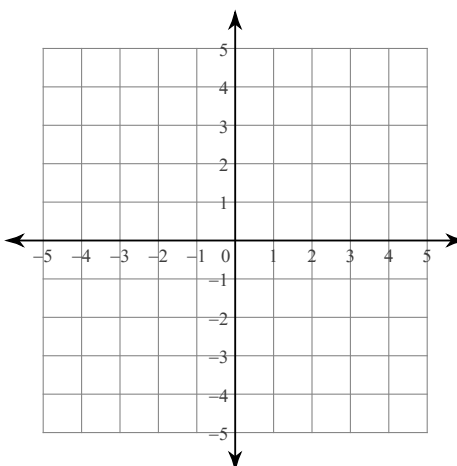
11) $y \leq -x - 2$

$$y < 3x + 2$$

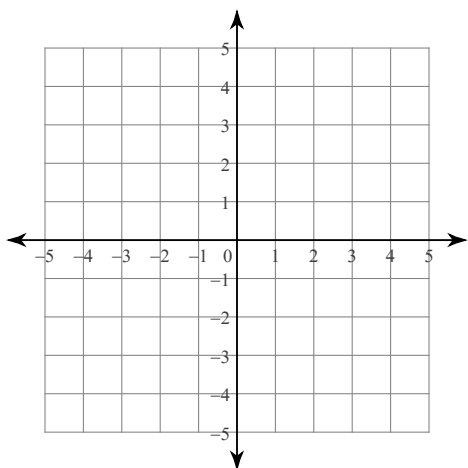


12) $y \leq 2x - 2$

$$y > -\frac{1}{2}x + 3$$

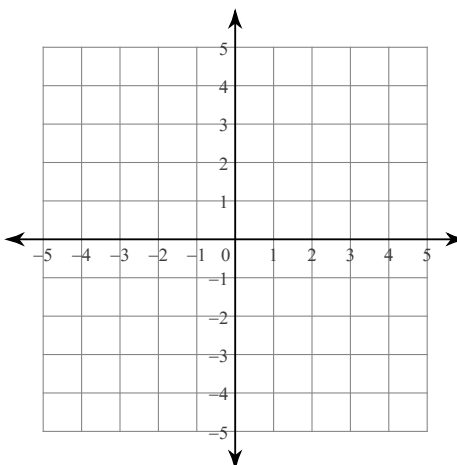


13) $y \leq x - 1$
 $y \geq -x - 3$

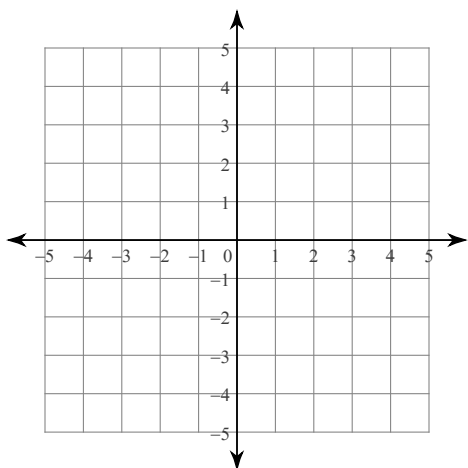


14) $y \leq \frac{5}{3}x - 3$

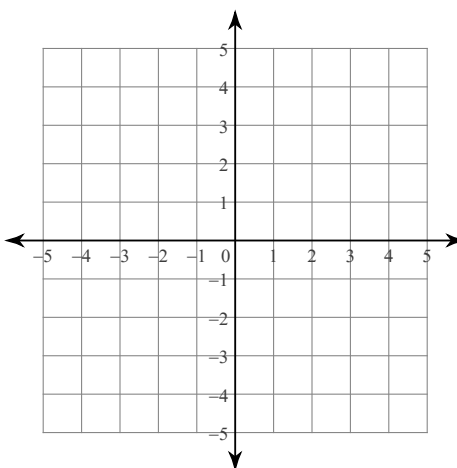
$y \leq \frac{5}{3}x - 1$



15) $y < \frac{1}{2}x - 2$
 $x \geq -2$

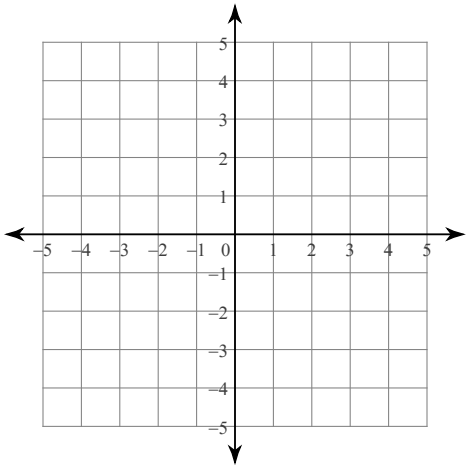


16) $y < x - 2$
 $y \geq 1$



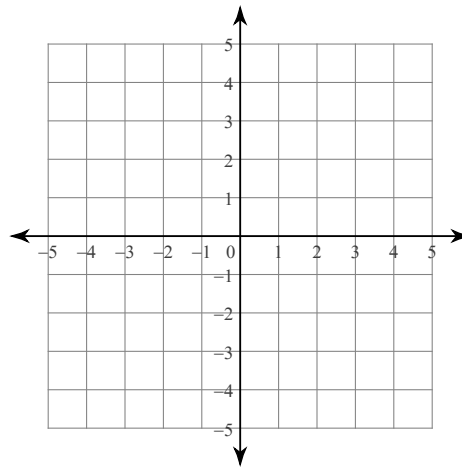
$$17) y \leq -\frac{1}{3}x - 2$$

$$y \leq -\frac{4}{3}x + 1$$



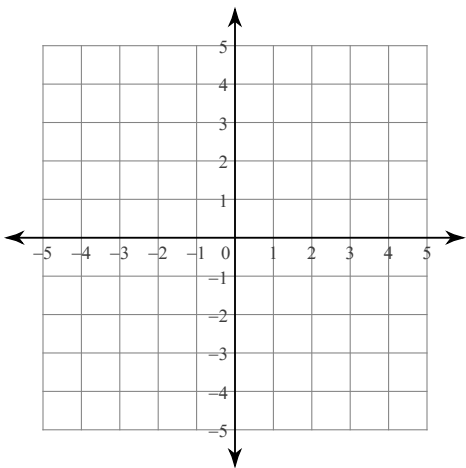
$$18) y \leq 4x - 3$$

$$y \leq -x + 2$$



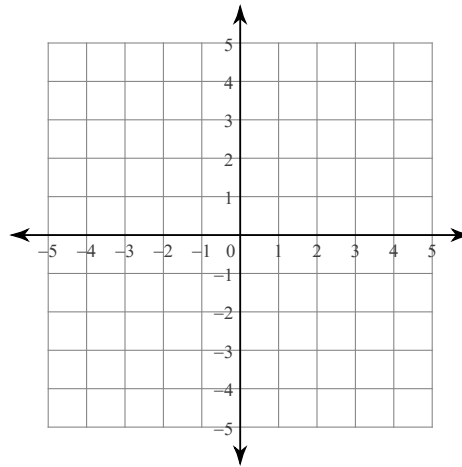
$$19) y \geq \frac{1}{2}x - 1$$

$$y \geq -\frac{1}{2}x - 3$$

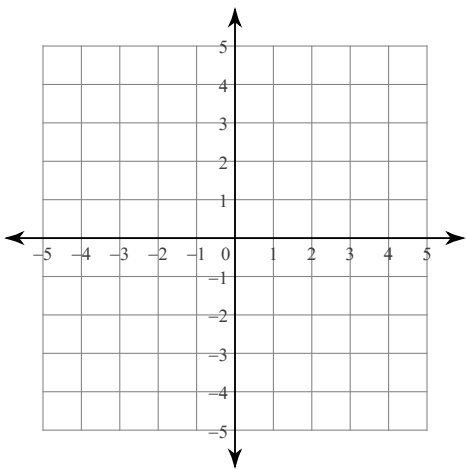


$$20) y \leq -3x + 3$$

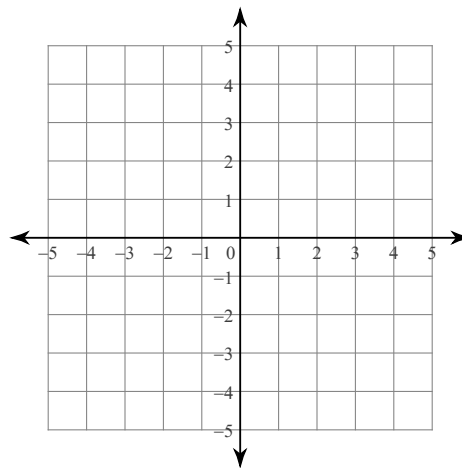
$$y \leq -\frac{1}{2}x - 2$$



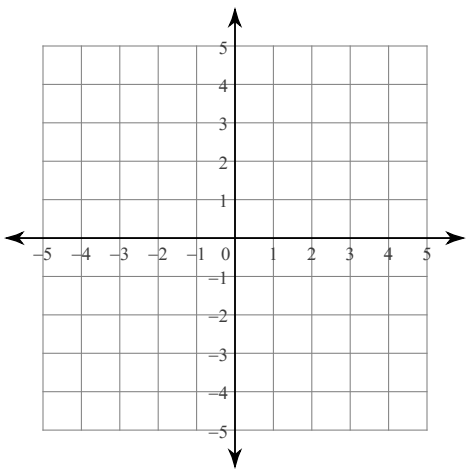
21) $y \geq -2x + 3$
 $y < -2x + 2$



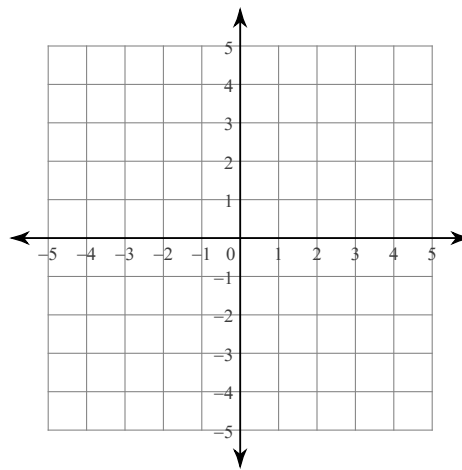
22) $y \geq 2x - 1$
 $y < \frac{1}{2}x + 2$



23) $y > -\frac{5}{3}x - 2$
 $y \geq -\frac{1}{3}x + 2$

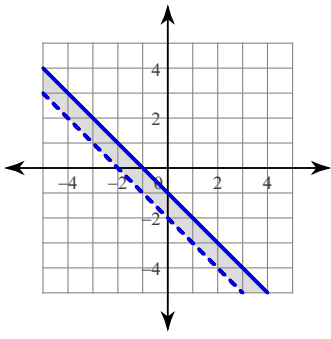


24) $y \geq -\frac{1}{3}x - 2$
 $y \leq \frac{4}{3}x + 3$

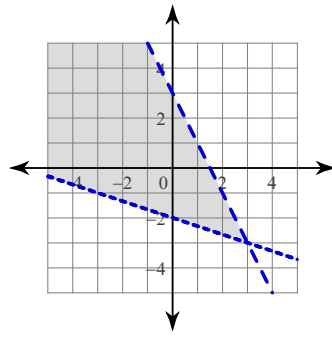


Answers to Assignment (ID: 3)

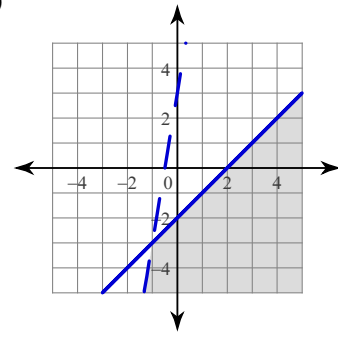
1)



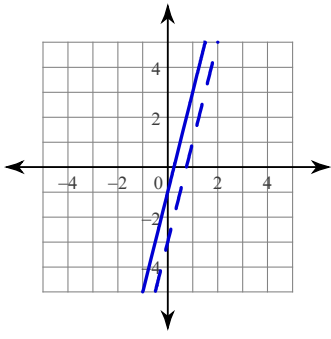
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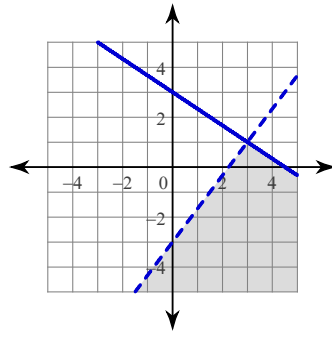
3)



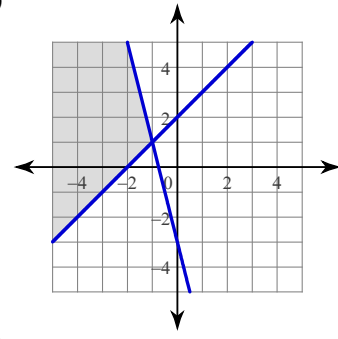
4)



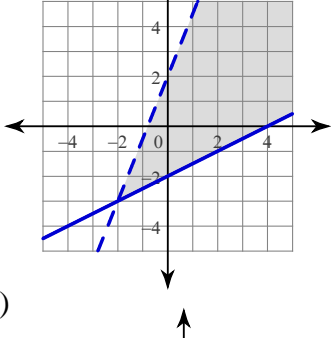
5)



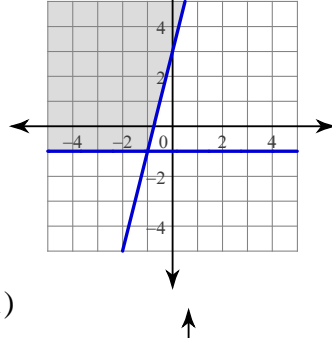
6)



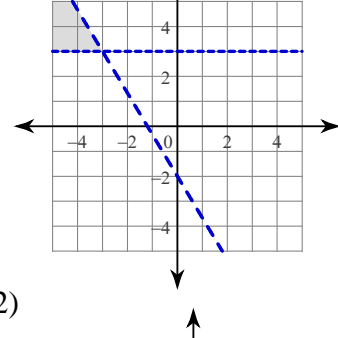
7)



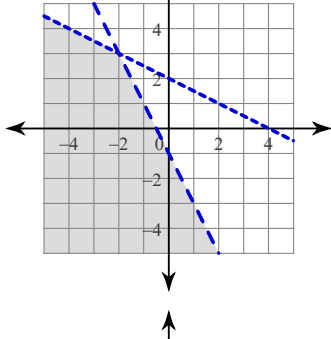
8)



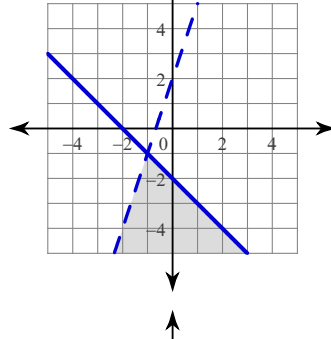
9)



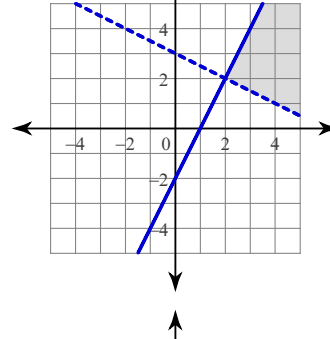
10)



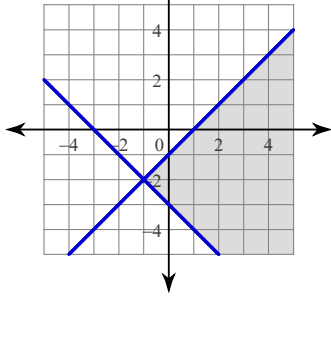
11)



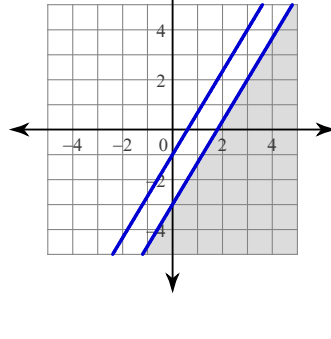
12)



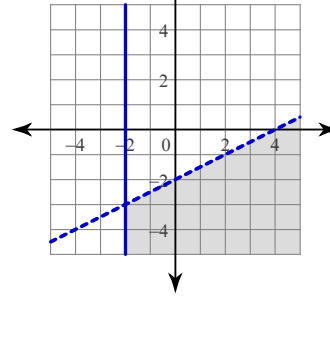
13)



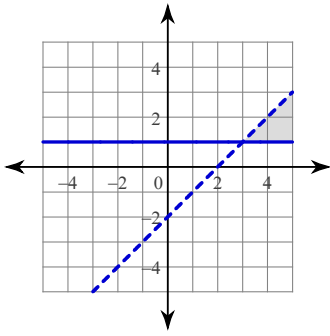
14)



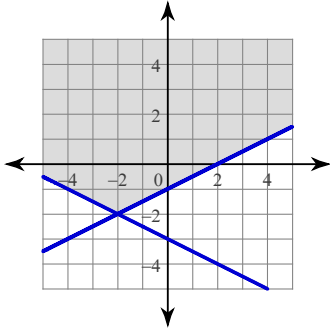
15)



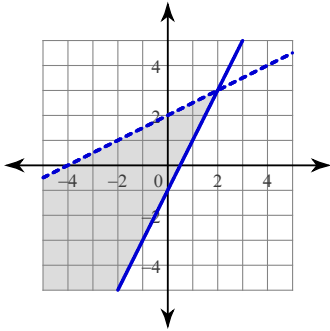
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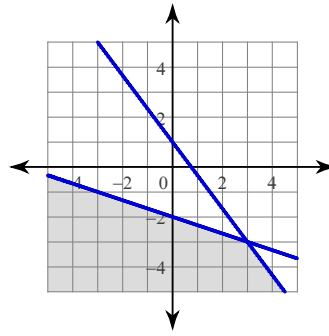
19)



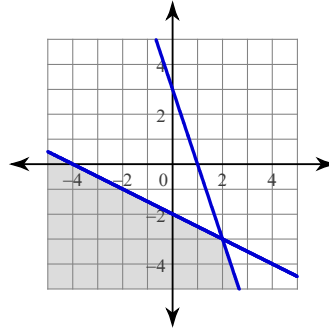
22)



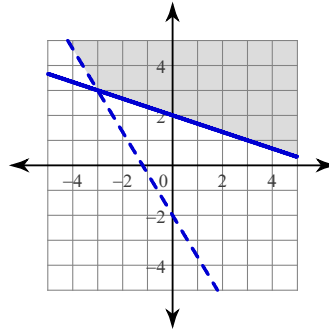
17)



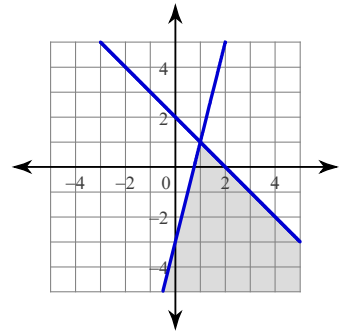
20)



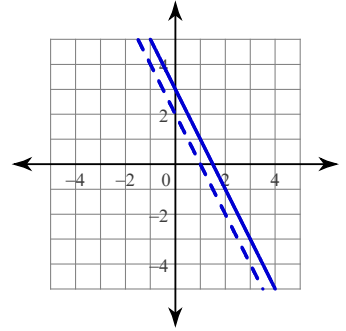
23)



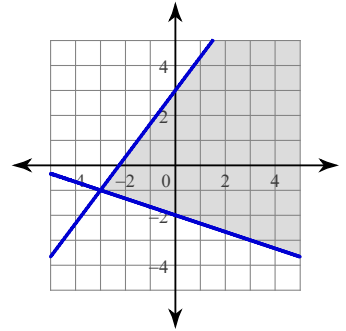
18)



21)



24)

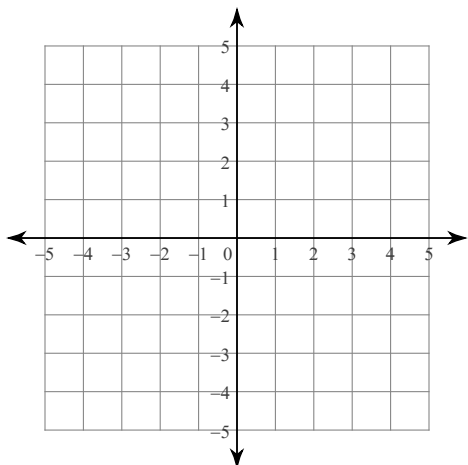


Assignment

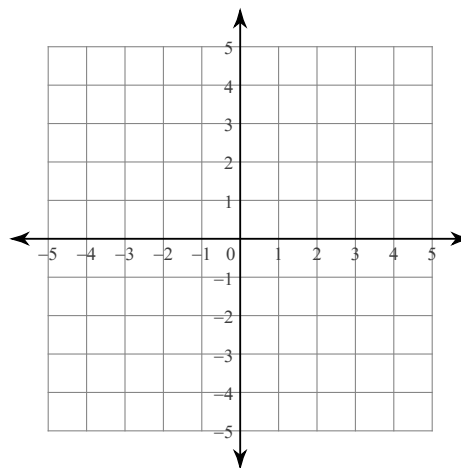
Sketch the solution to each system of inequalities.

1) $y < \frac{2}{3}x + 1$

$$y \leq -\frac{2}{3}x - 3$$

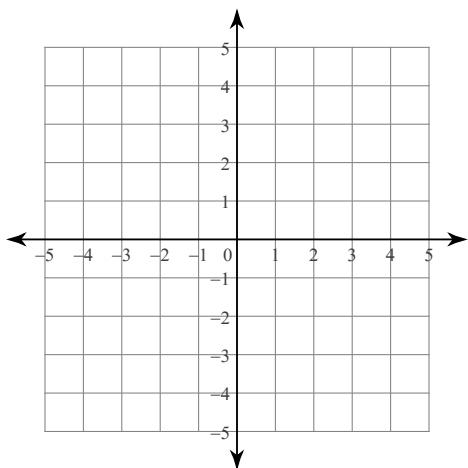


2) $y \geq -5x - 3$
 $y < -x + 1$

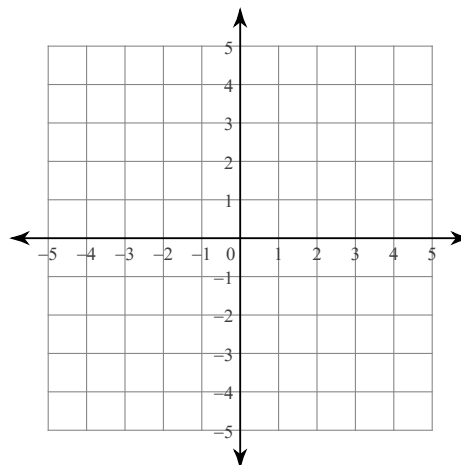


3) $y \geq -\frac{1}{2}x + 1$

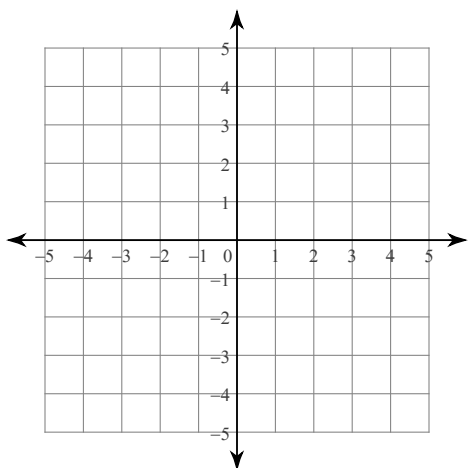
$$y \geq -\frac{5}{2}x - 3$$



4) $y \leq x + 2$
 $y > 5x - 2$

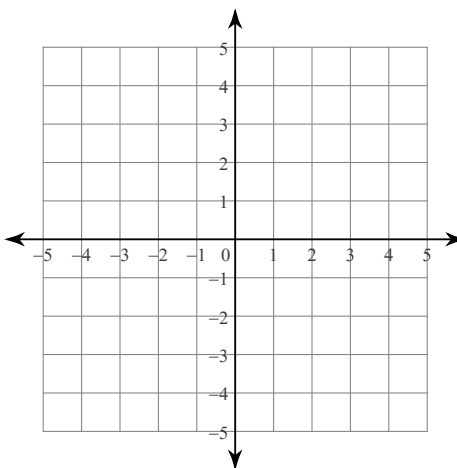


5) $y \leq x + 3$
 $y > -2x - 3$



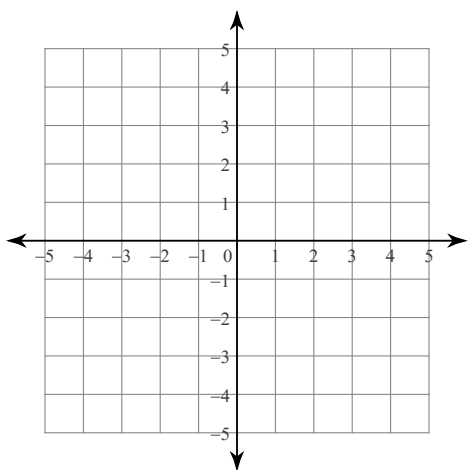
6) $y > -\frac{3}{2}x + 1$

$y > \frac{1}{2}x - 3$



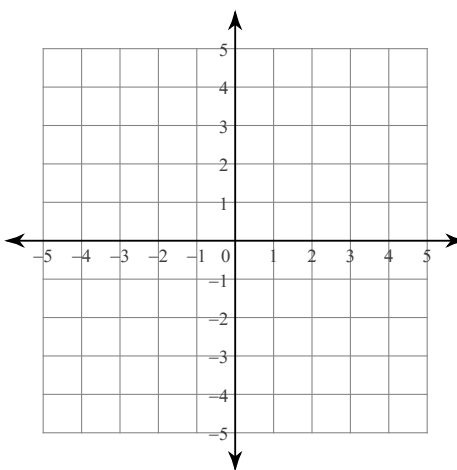
7) $y \leq \frac{1}{3}x - 3$

$y > -\frac{5}{3}x + 3$

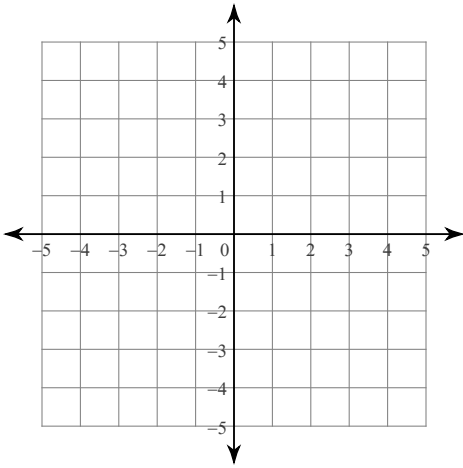


8) $y < \frac{2}{3}x + 3$

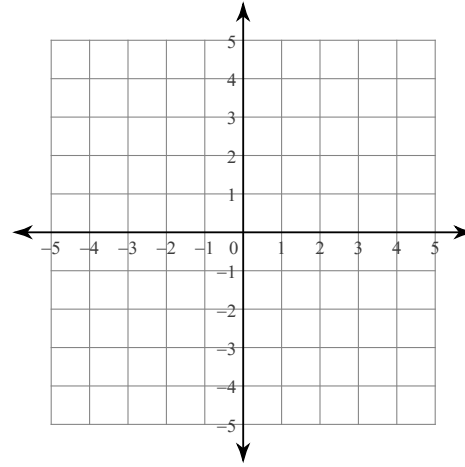
$y < \frac{2}{3}x - 1$



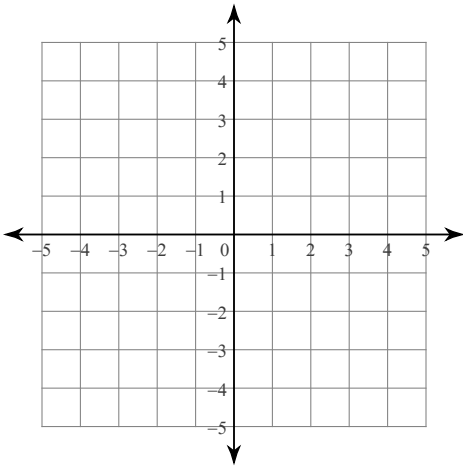
9) $y \leq -x + 2$
 $y \geq -4x - 1$



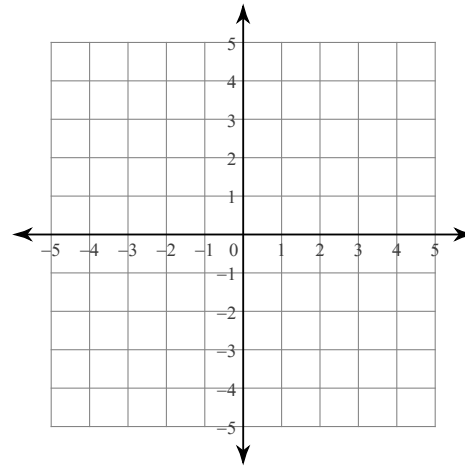
10) $y \geq \frac{5}{3}x + 2$
 $y \geq \frac{1}{3}x - 2$



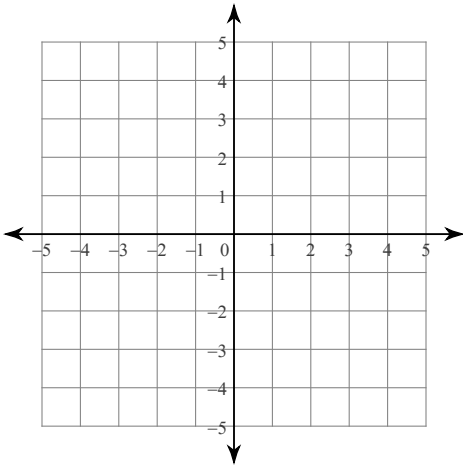
11) $y < -3$
 $y \leq 2x + 3$



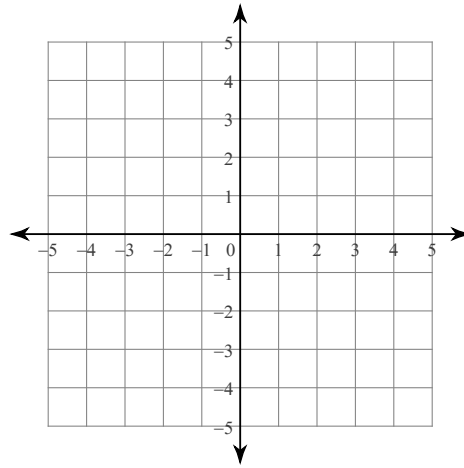
12) $y < -2x - 3$
 $y \leq -2x + 2$



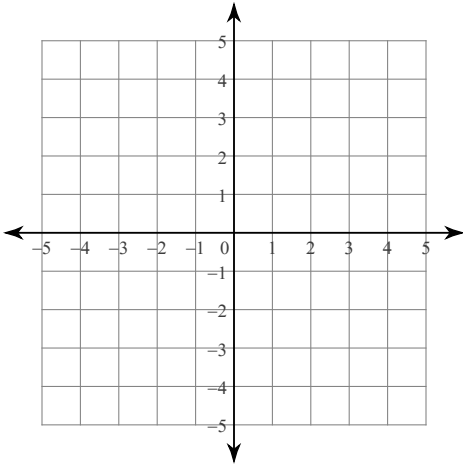
13) $y < -x + 2$
 $y < -6x - 3$



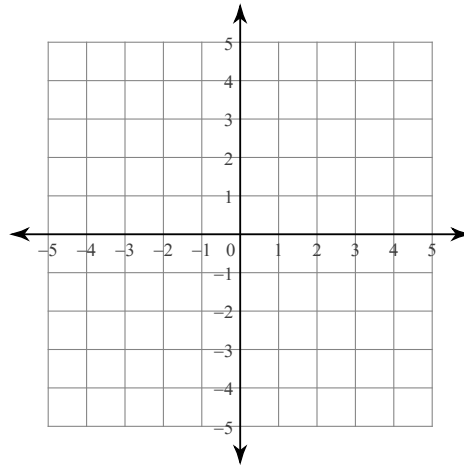
14) $y \geq -3x + 2$
 $y > 2x - 3$



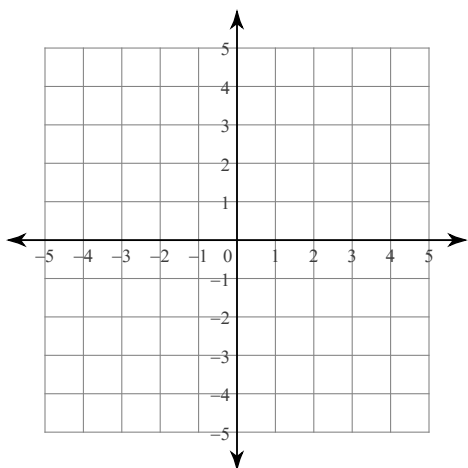
15) $y < -\frac{1}{2}x - 2$
 $y \leq -2x + 1$



16) $y < -4x + 3$
 $y < x - 2$

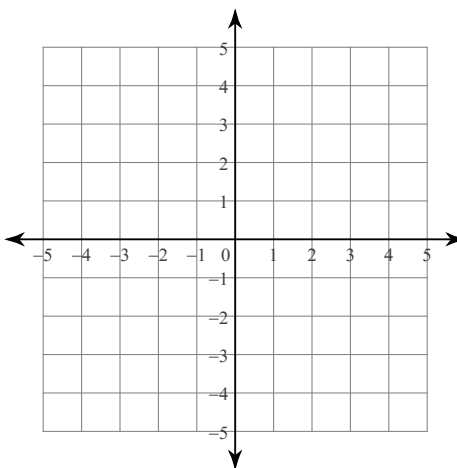


17) $y \geq -4x + 2$
 $y > -x - 1$



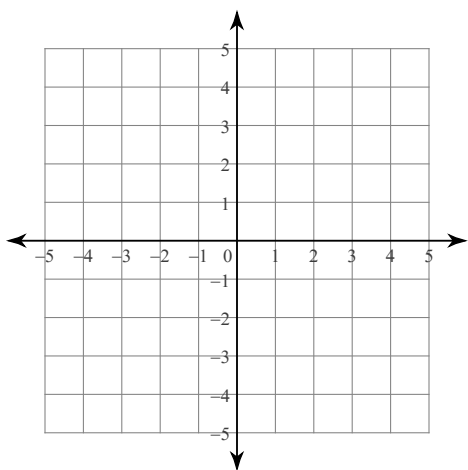
18) $y \geq \frac{1}{2}x + 3$

$y \leq -\frac{5}{2}x - 3$

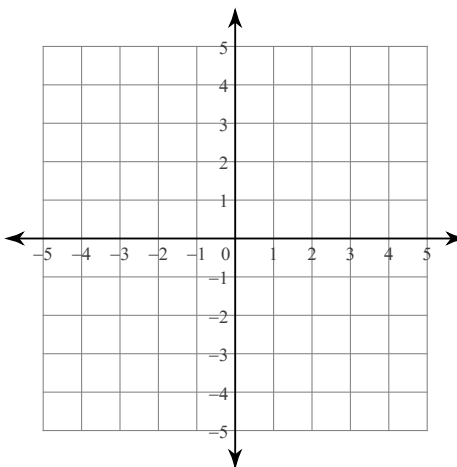


19) $y \leq -\frac{1}{2}x + 2$

$y \geq -\frac{5}{2}x - 2$

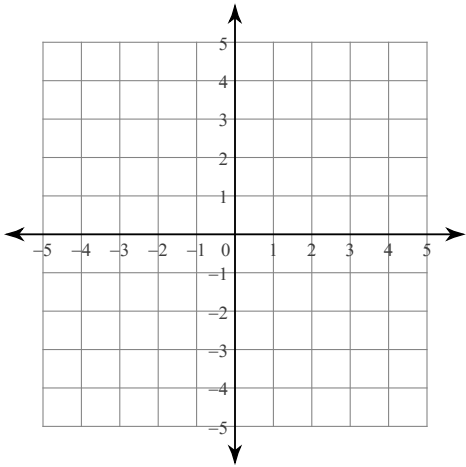


20) $y \geq x - 1$
 $y < -x + 3$

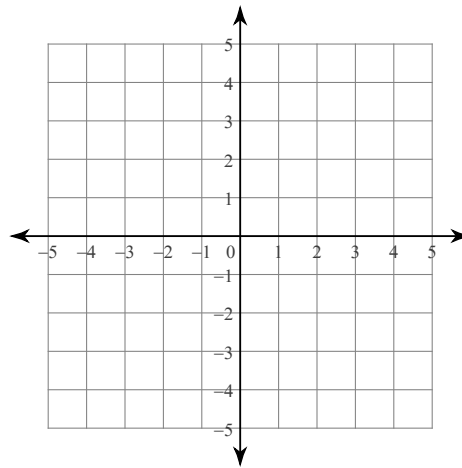


21) $y > -\frac{5}{3}x - 3$

$y > -\frac{1}{3}x + 1$

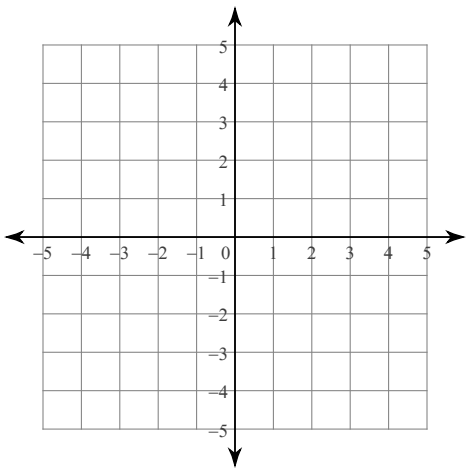


22) $y > 4x + 1$
 $y > x - 2$

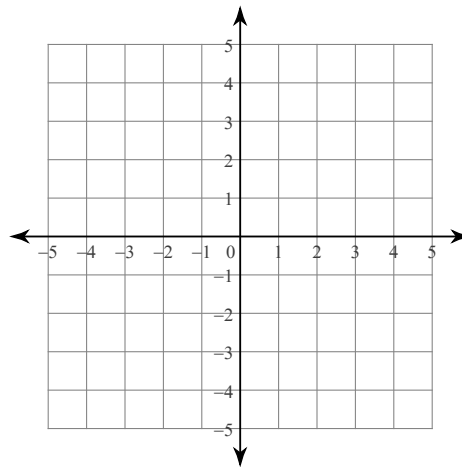


23) $y > \frac{1}{2}x - 2$

$y \geq 3x + 3$

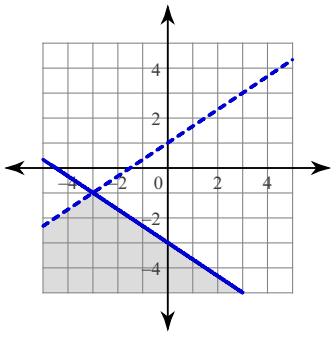


24) $y < 2x - 3$
 $y > -x + 3$

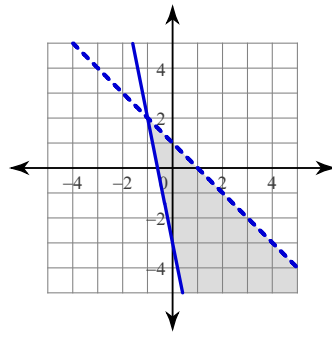


Answers to Assignment (ID: 4)

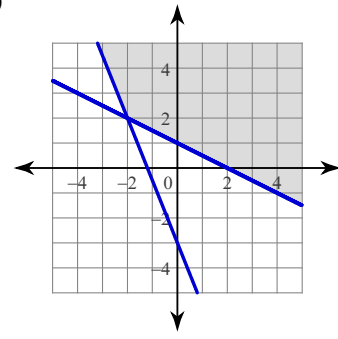
1)



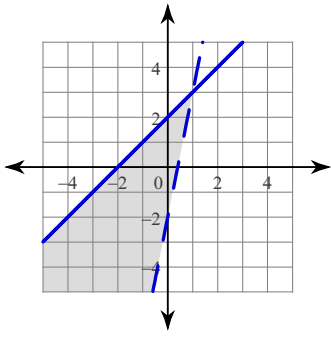
2)



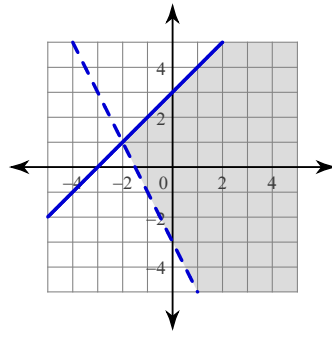
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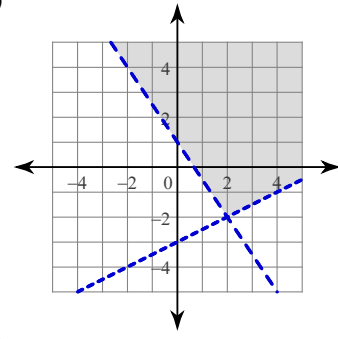
4)



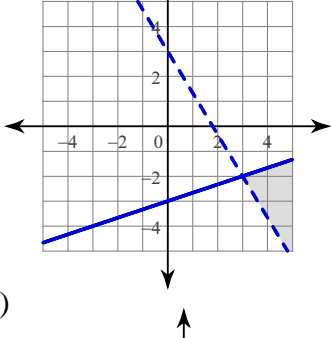
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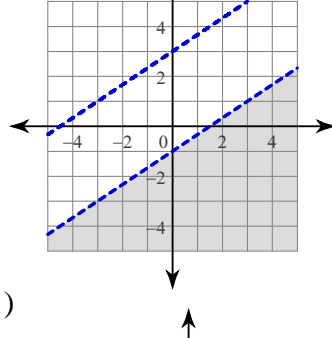
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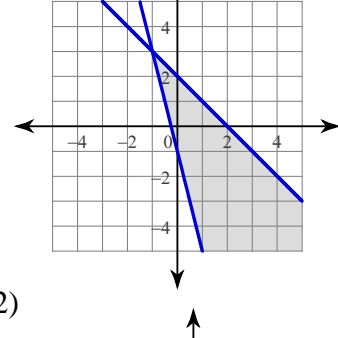
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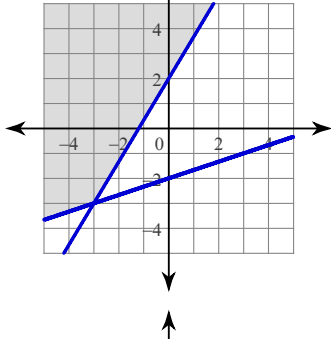
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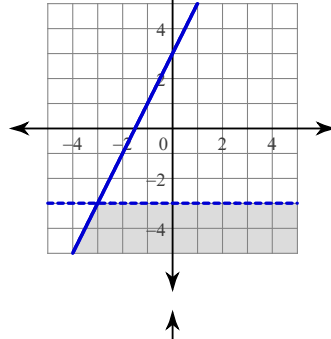
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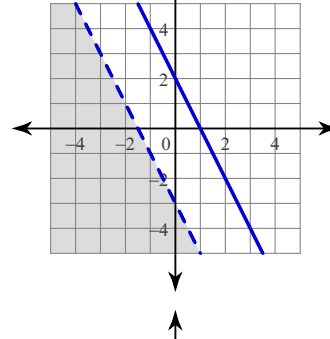
10)



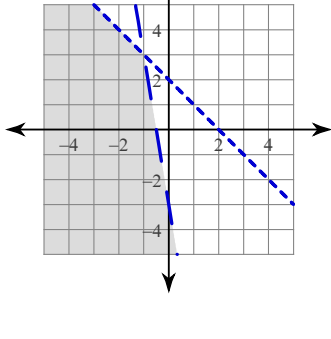
11)



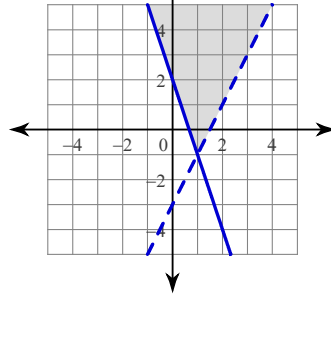
12)



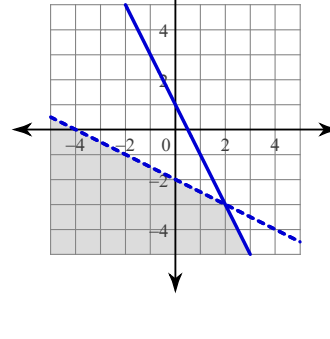
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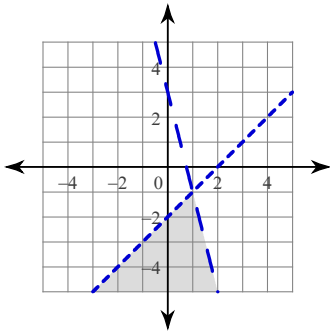
14)



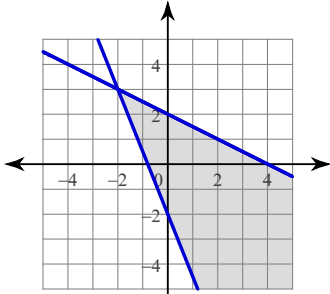
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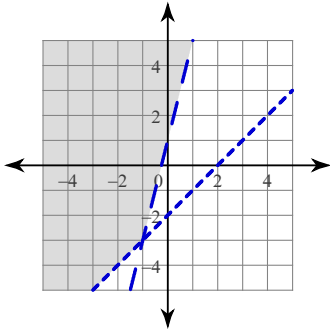
16)



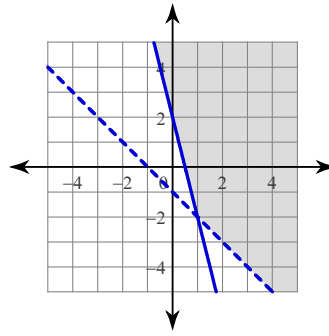
19)



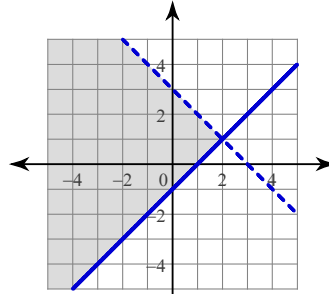
22)



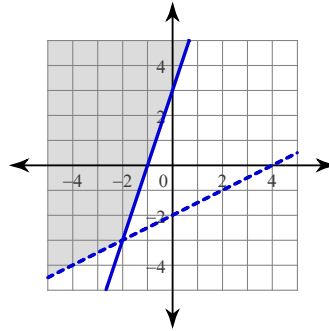
17)



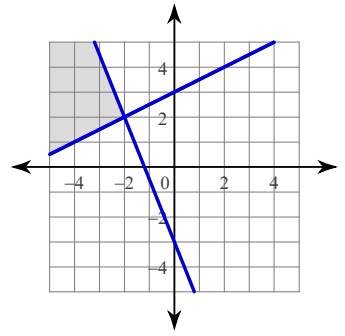
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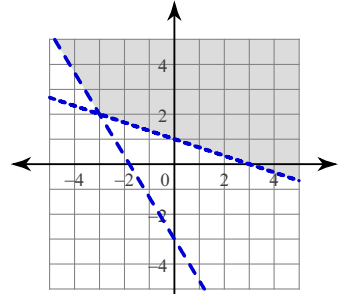
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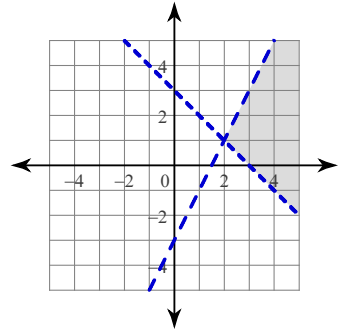
18)



21)



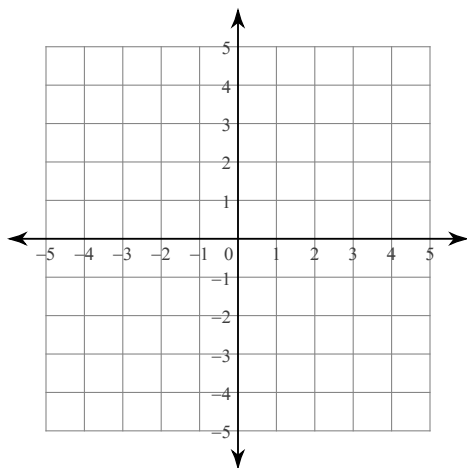
24)



Assignment

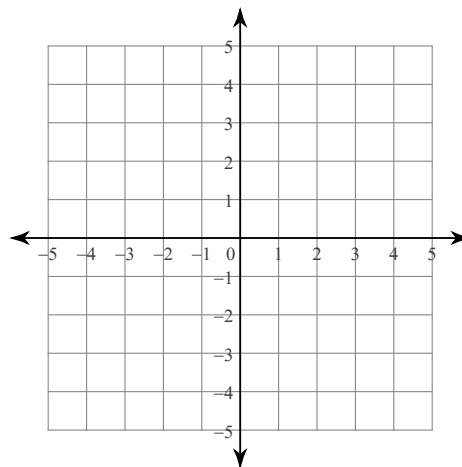
Sketch the solution to each system of inequalities.

$$1) \begin{cases} y > -4x - 3 \\ y < 2x + 3 \end{cases}$$

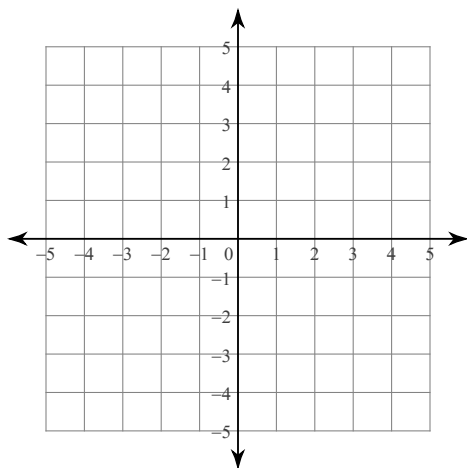


$$2) \begin{cases} y > -\frac{1}{3}x + 2 \\ y \geq -\frac{4}{3}x - 1 \end{cases}$$

$$y \geq -\frac{4}{3}x - 1$$

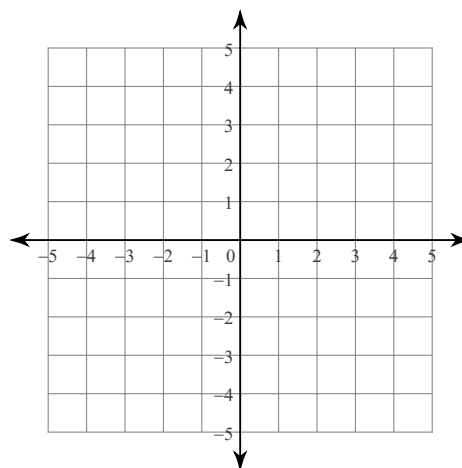


$$3) \begin{cases} y > x - 1 \\ y \leq 5x + 3 \end{cases}$$

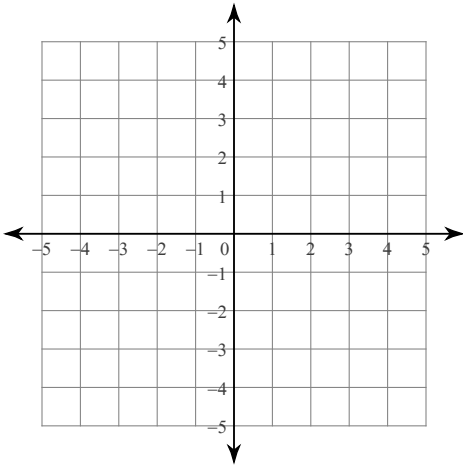


$$4) \begin{cases} y > \frac{1}{3}x + 2 \\ y < \frac{5}{3}x - 2 \end{cases}$$

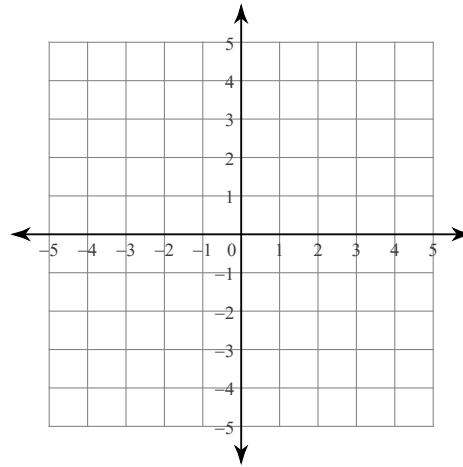
$$y < \frac{5}{3}x - 2$$



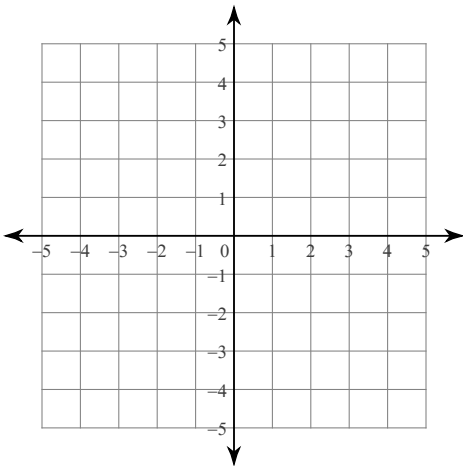
5) $y > 2x - 2$
 $y < \frac{1}{2}x + 1$



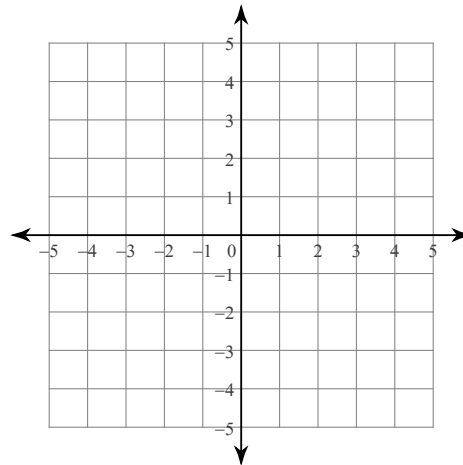
6) $y > \frac{1}{3}x - 2$
 $y > -\frac{4}{3}x + 3$



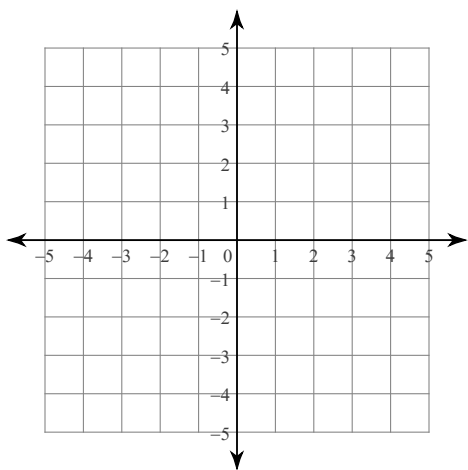
7) $y > \frac{1}{2}x + 2$
 $y > 2x - 1$



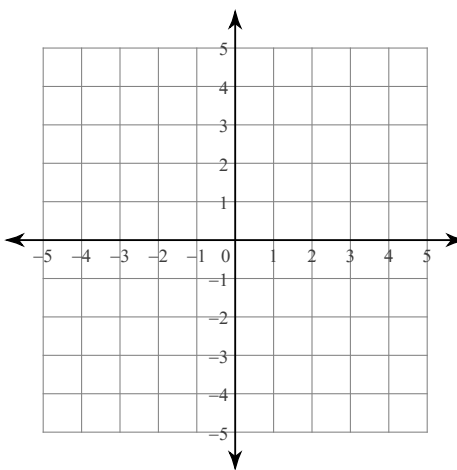
8) $y \geq -x + 3$
 $y \geq 4x - 2$



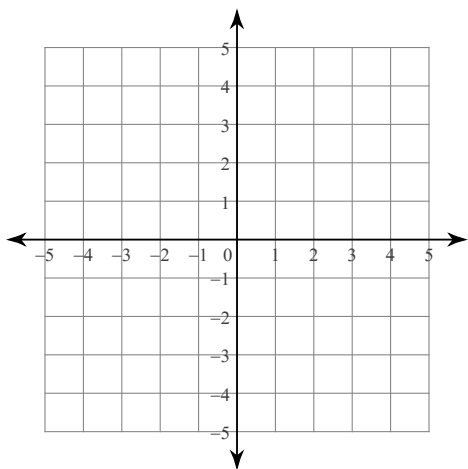
9) $x < -2$
 $y > -x - 3$



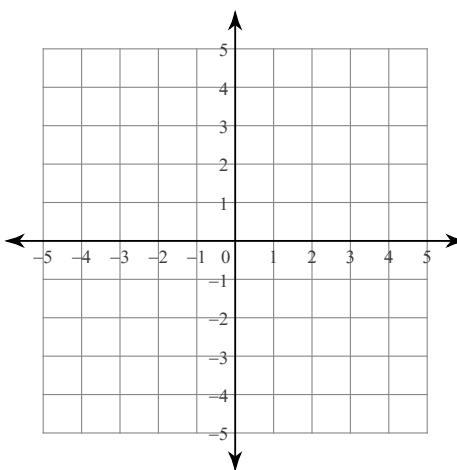
10) $y \geq -4x - 3$
 $y \leq x + 2$



11) $y > x + 1$
 $y < -\frac{1}{3}x - 3$

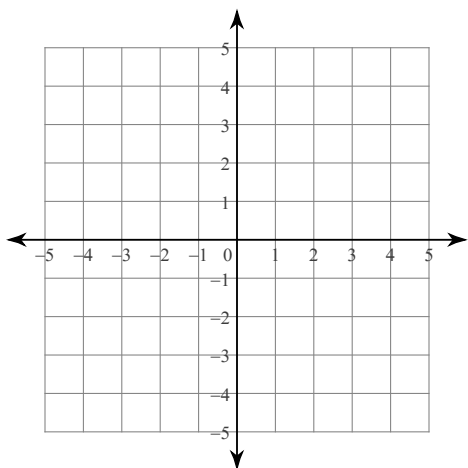


12) $y \leq x + 2$
 $y < -2x - 1$



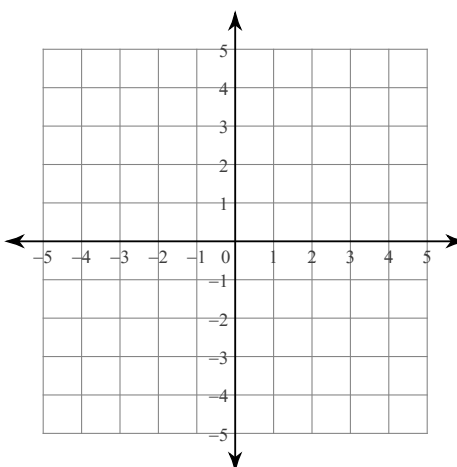
13) $y \leq -\frac{2}{3}x - 1$

$y \geq -2x + 3$



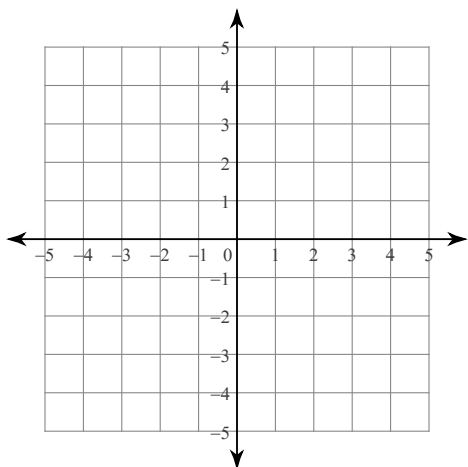
14) $y \leq \frac{4}{3}x + 2$

$y < -\frac{1}{3}x - 3$



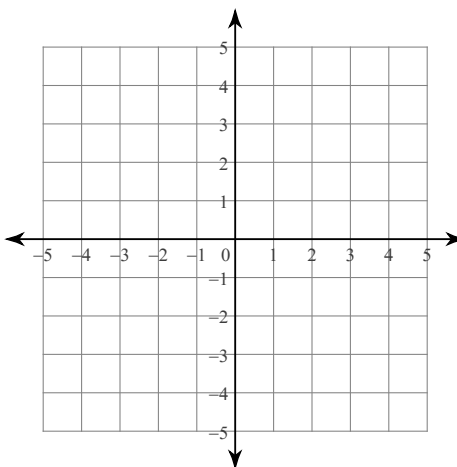
15) $y \leq x - 1$

$y > 4x + 2$

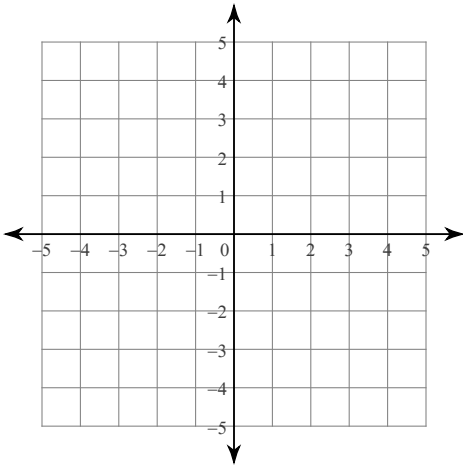


16) $y \geq -3$

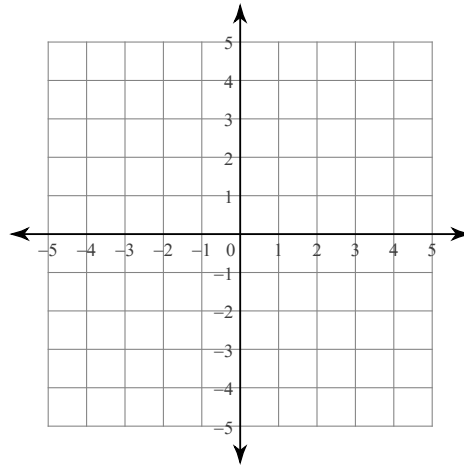
$y \geq -2x + 1$



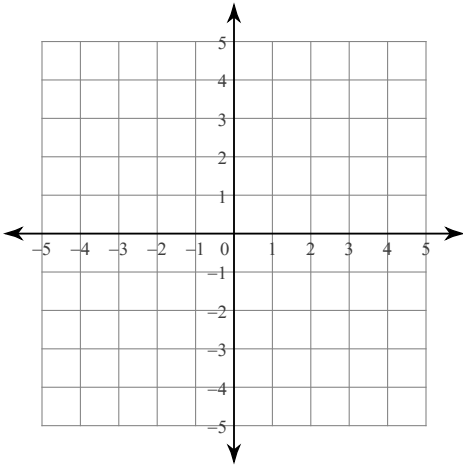
17) $x < 1$
 $y \geq x + 2$



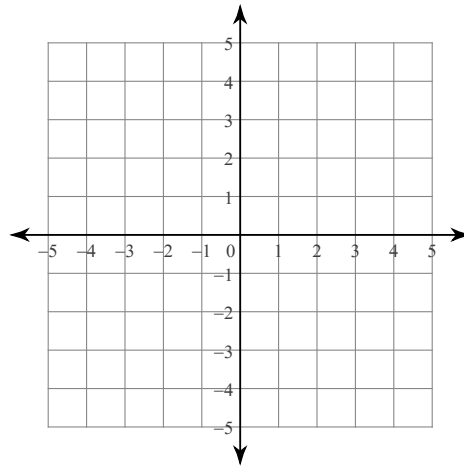
18) $y < 4x + 1$
 $y > 4x - 2$



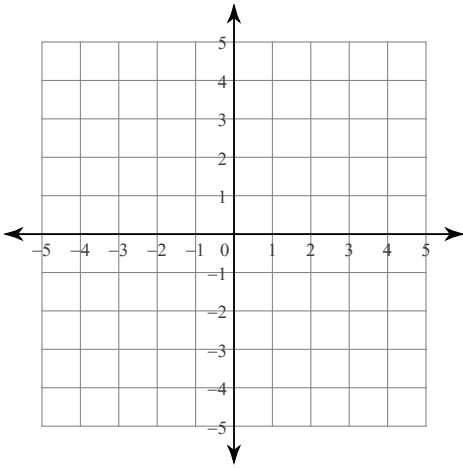
19) $y > -x + 1$
 $y \leq \frac{1}{2}x - 2$



20) $y < -4x - 1$
 $y \geq -4x - 3$

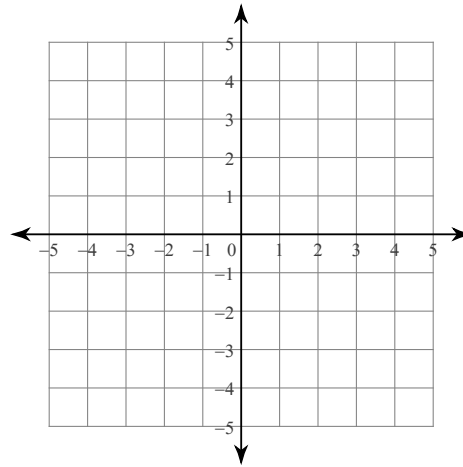


21) $y \geq -x + 2$
 $y \leq -4x - 1$

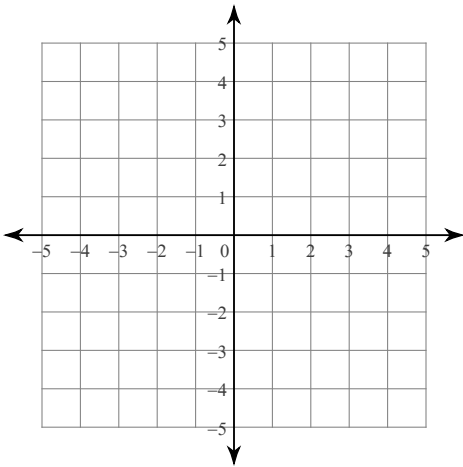


22) $y \geq \frac{2}{3}x + 1$

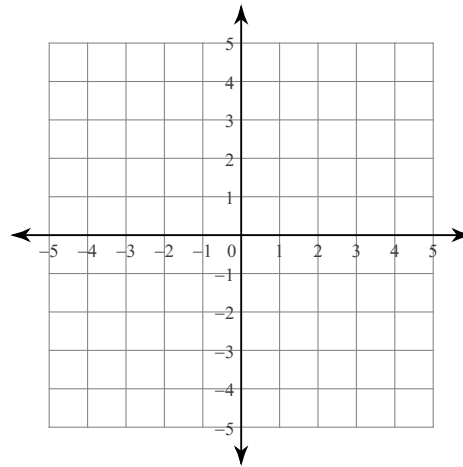
$y \geq -\frac{1}{3}x - 2$



23) $y < -5x - 3$
 $y \leq -x + 1$

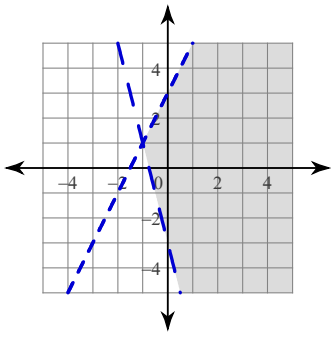


24) $y \leq -4x + 2$
 $y \leq x - 3$

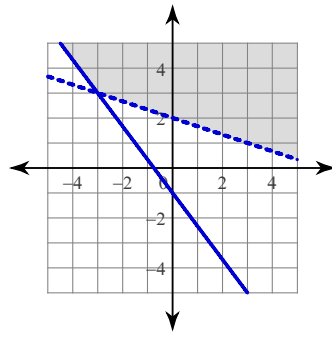


Answers to Assignment (ID: 5)

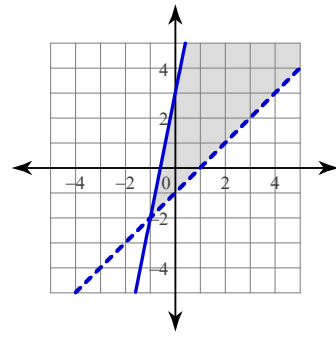
1)



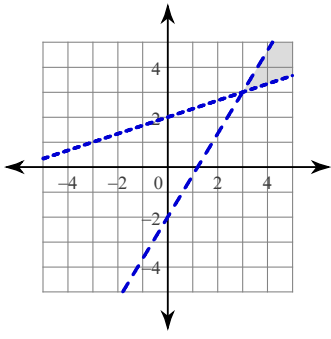
2)



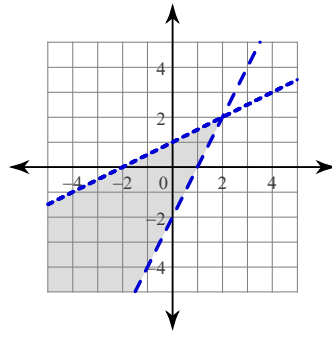
3)



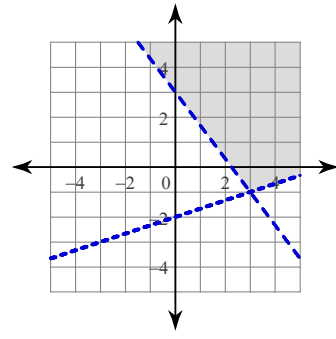
4)



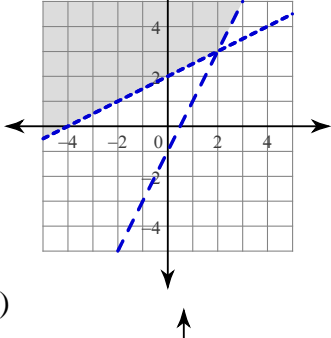
5)



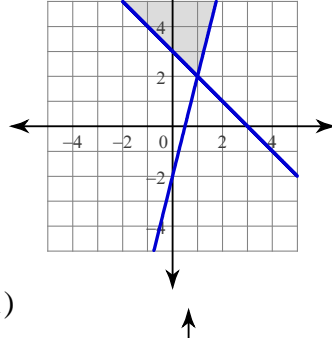
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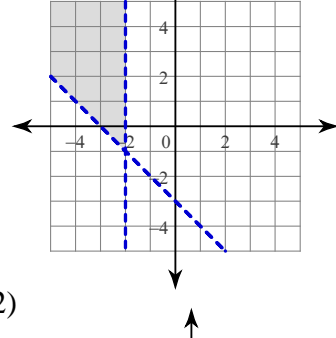
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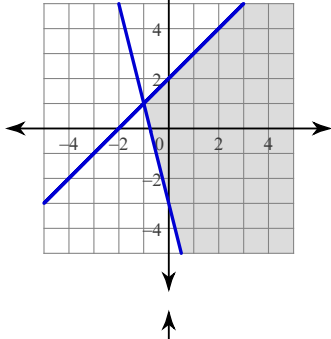
8)



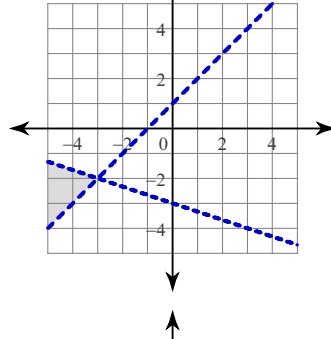
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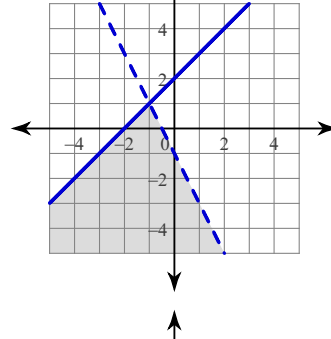
10)



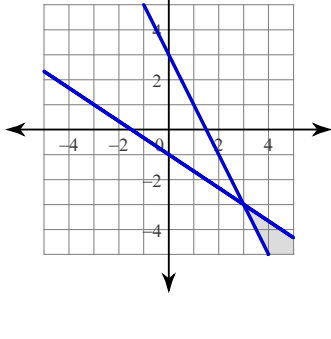
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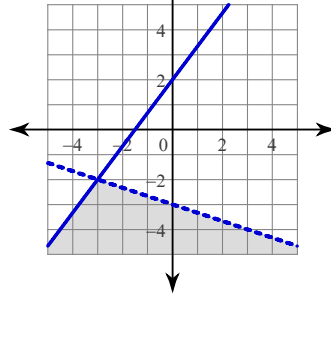
12)



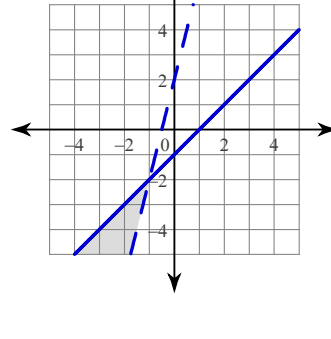
13)



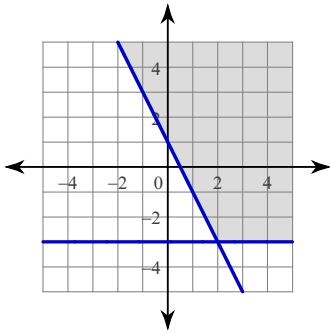
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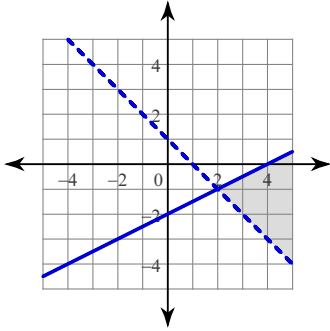
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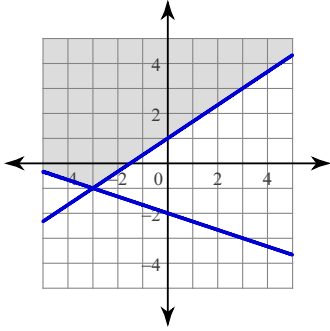
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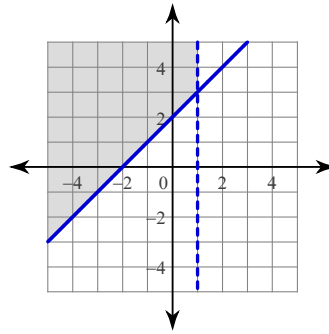
19)



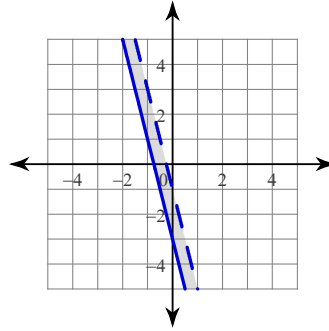
22)



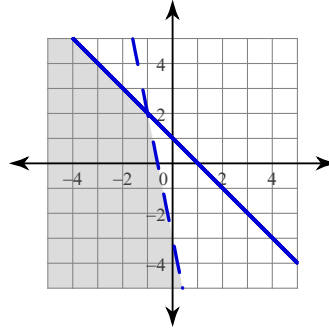
17)



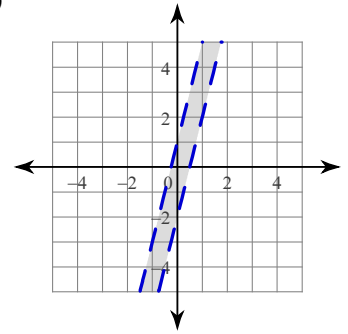
20)



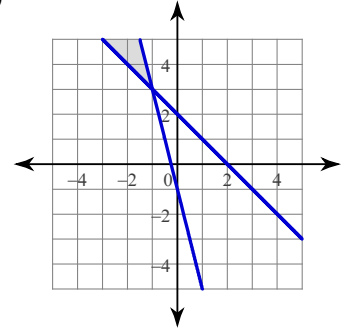
23)



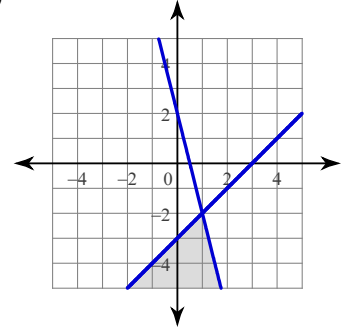
18)



21)



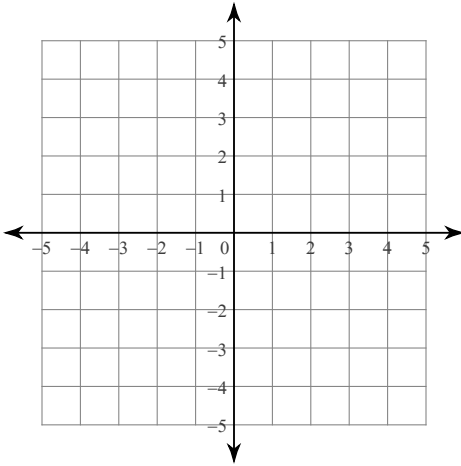
24)



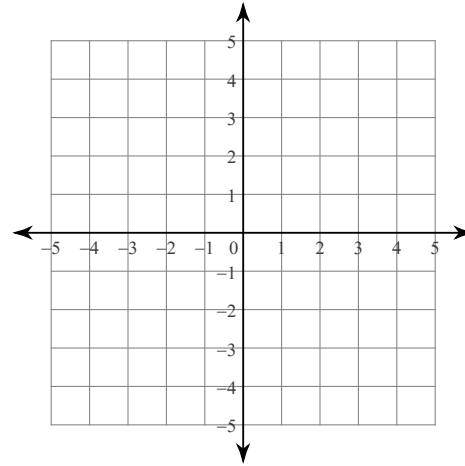
Assignment

Sketch the solution to each system of inequalities.

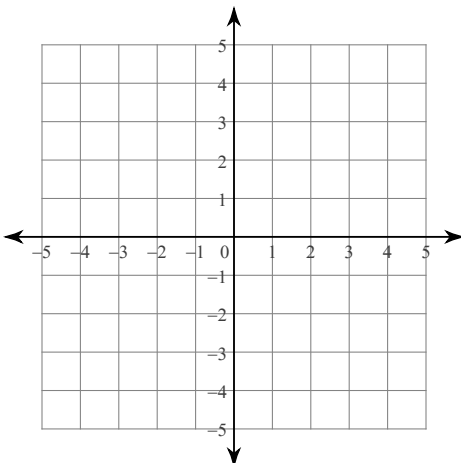
1) $y < -3$
 $y > -2x + 1$



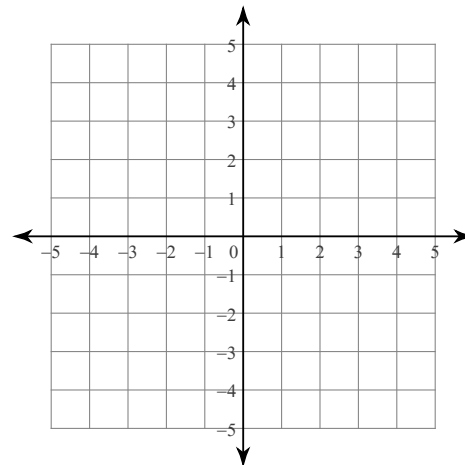
2) $y > x - 3$
 $y \leq -5x + 3$



3) $x > -3$
 $y > -\frac{4}{3}x - 3$

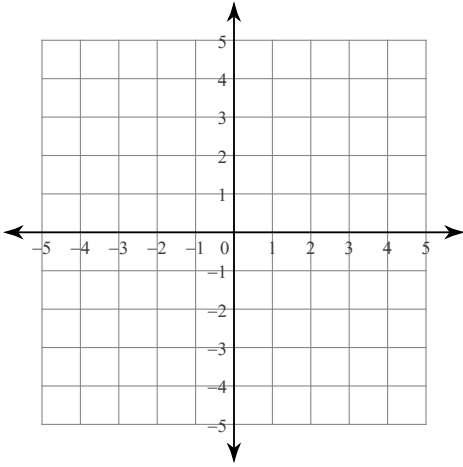


4) $y \geq 4x + 1$
 $y > x - 2$



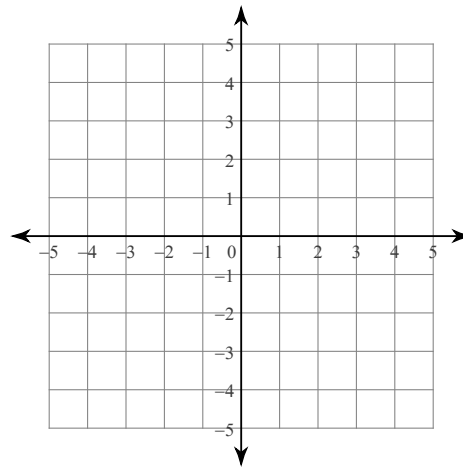
$$5) y \leq \frac{1}{2}x + 3$$

$$y < -\frac{1}{2}x + 1$$



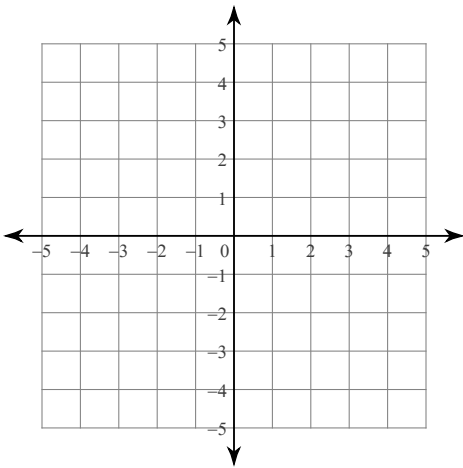
$$6) y \leq 5x - 3$$

$$y < x + 1$$



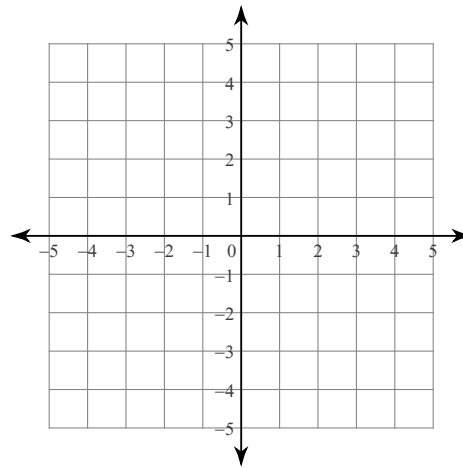
$$7) y > -x + 2$$

$$y > 2x - 1$$



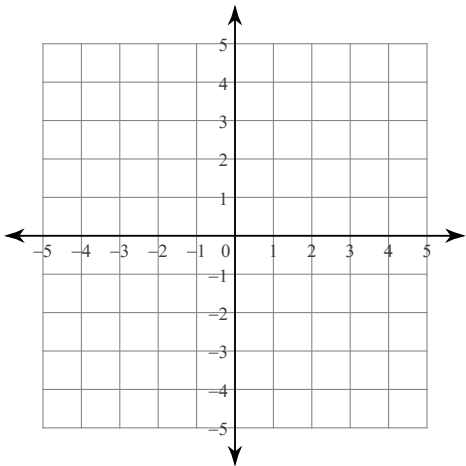
$$8) y \leq -4x - 1$$

$$y > -x + 2$$



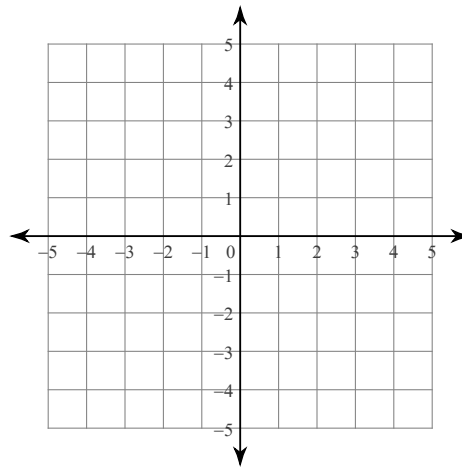
9) $x > 3$

$y > \frac{2}{3}x - 1$



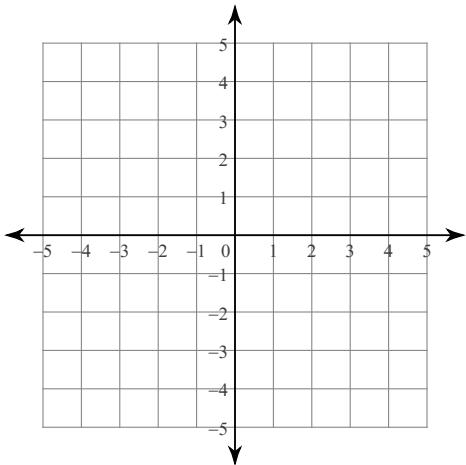
10) $y > 3x + 2$

$y < -2x - 3$



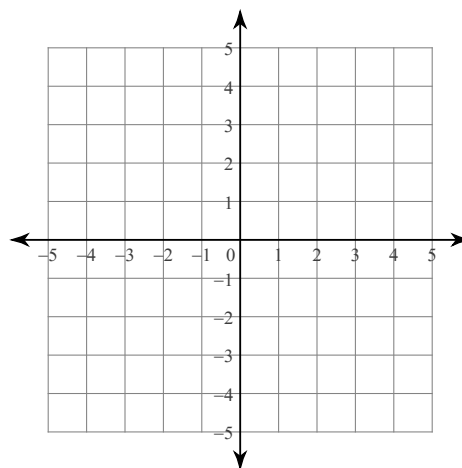
11) $y \leq -3x + 2$

$y < 2x - 3$



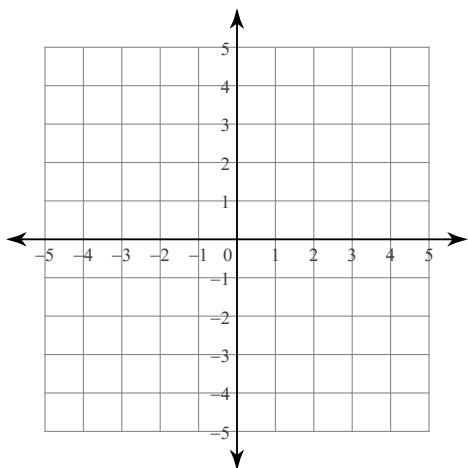
12) $y > 3$

$y \leq -\frac{2}{3}x + 1$



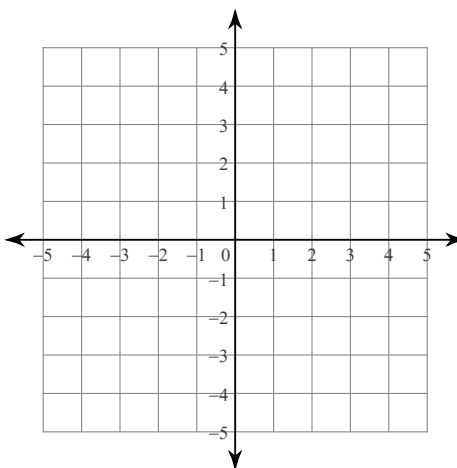
13) $y \leq -\frac{1}{3}x + 3$

$y < \frac{4}{3}x - 2$



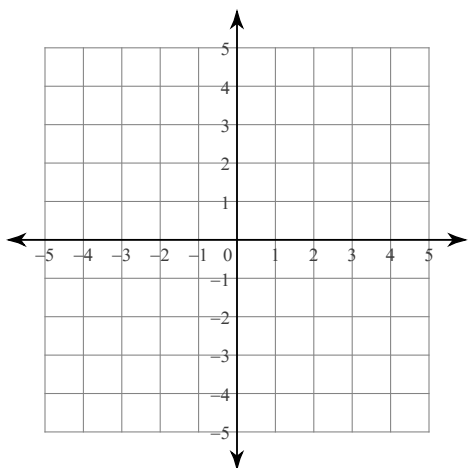
14) $y \leq -\frac{1}{2}x - 3$

$y < 2x + 2$



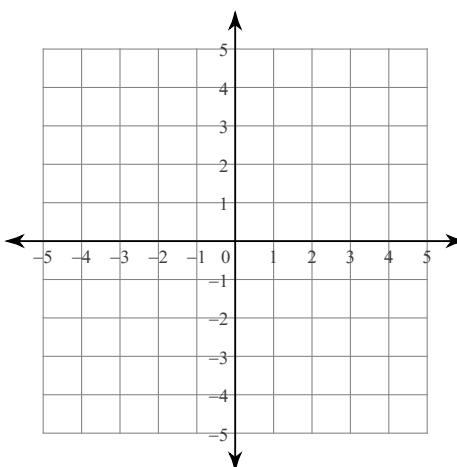
15) $y < -2x + 3$

$y < 3x - 2$



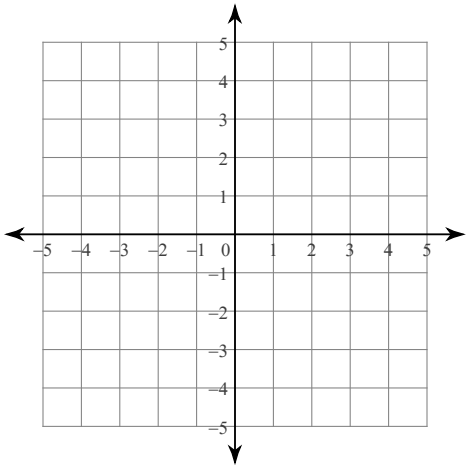
16) $y \leq \frac{3}{2}x - 1$

$y < -\frac{1}{2}x + 3$



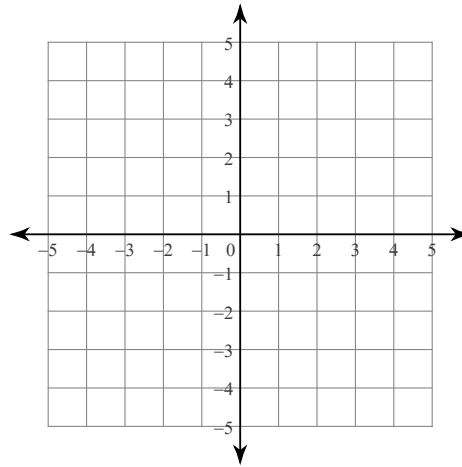
17) $y < -\frac{1}{3}x + 3$

$y > \frac{1}{3}x + 1$



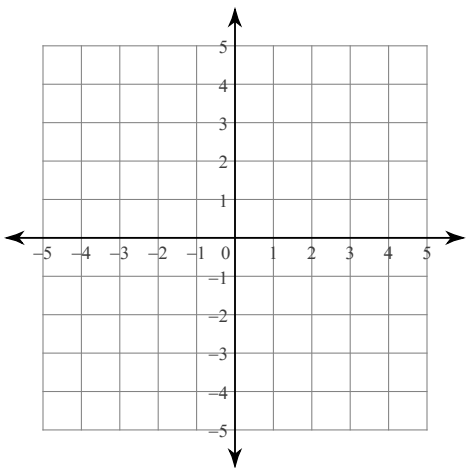
18) $y < \frac{1}{2}x - 1$

$y > -\frac{1}{2}x - 3$



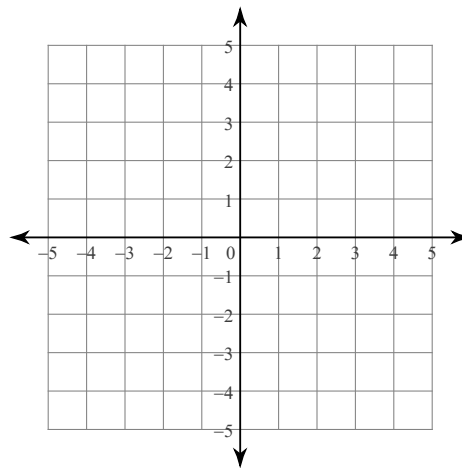
19) $y \geq -x + 1$

$y > x - 3$



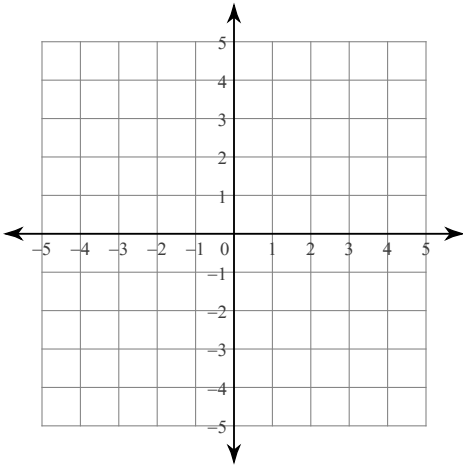
20) $y \geq -\frac{2}{3}x - 1$

$y \leq -2x + 3$



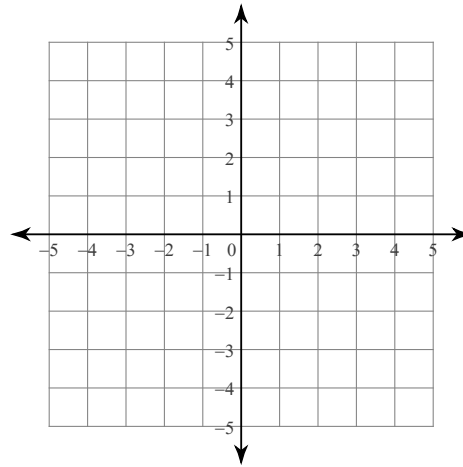
21) $y < \frac{1}{3}x - 2$

$y < 2x + 3$



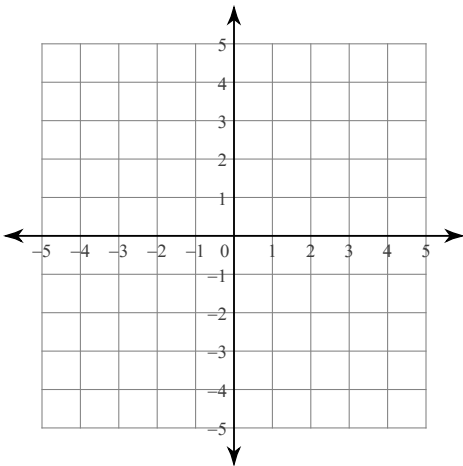
22) $y < -\frac{1}{3}x + 2$

$y \geq \frac{4}{3}x - 3$



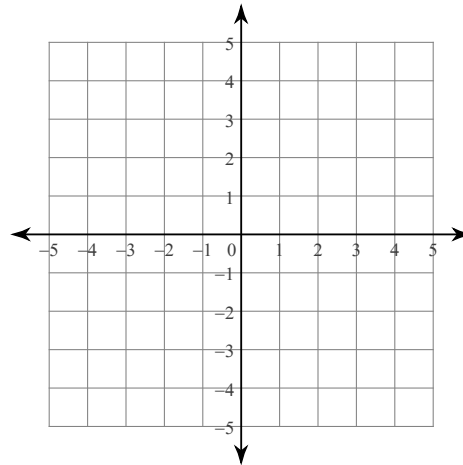
23) $y < -2x + 2$

$y \leq -2x - 3$



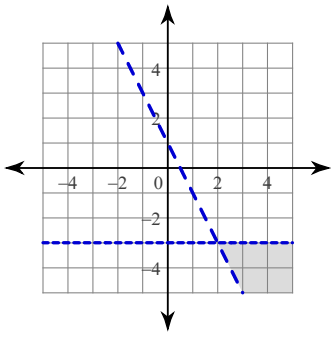
24) $y \geq \frac{4}{3}x - 1$

$x > 3$

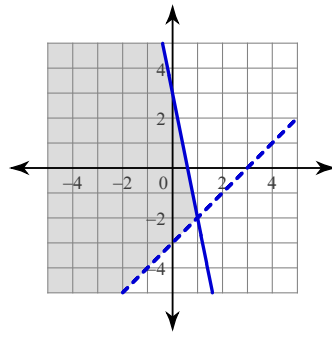


Answers to Assignment (ID: 6)

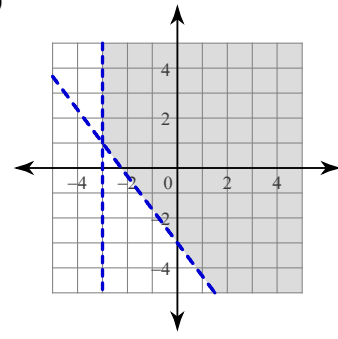
1)



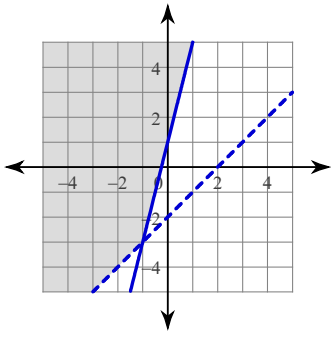
2)



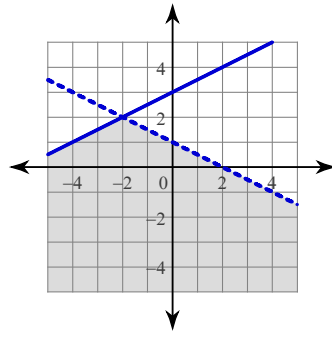
3)



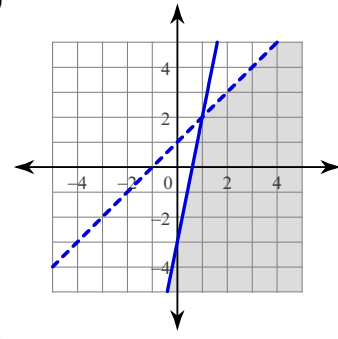
4)



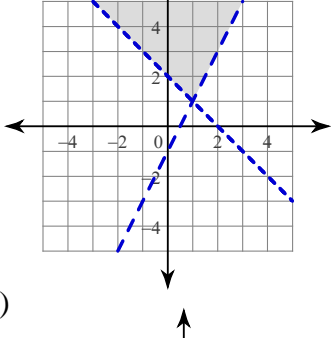
5)



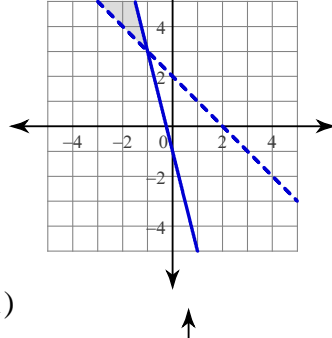
6)



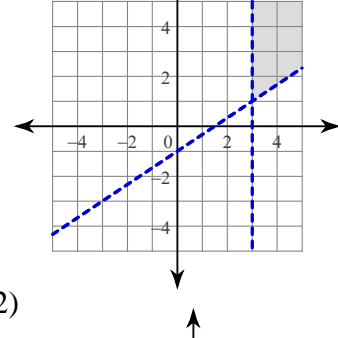
7)



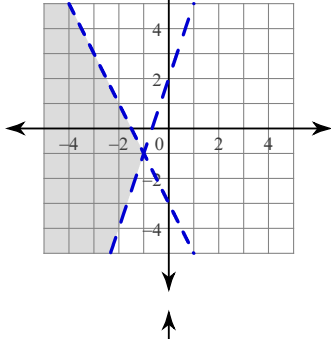
8)



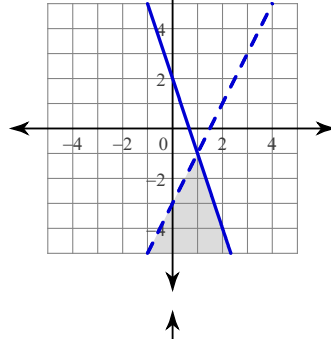
9)



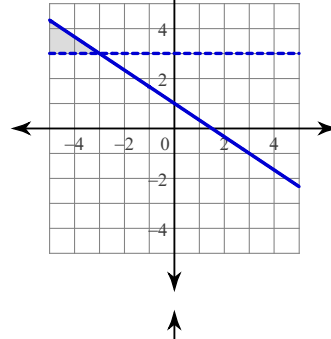
10)



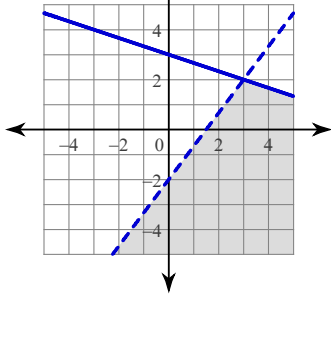
11)



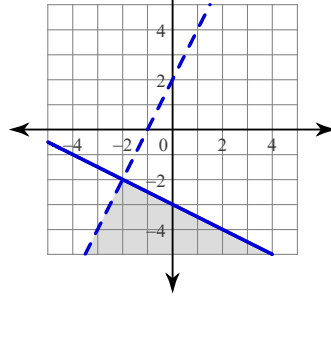
12)



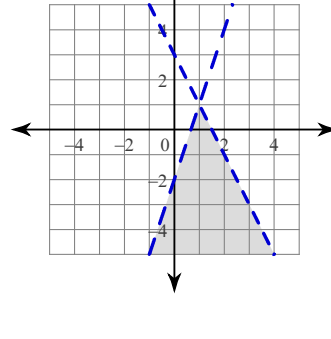
13)



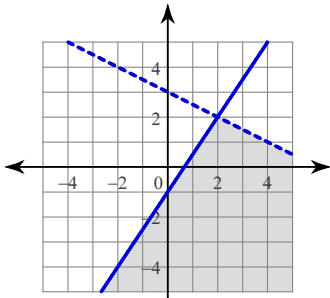
14)



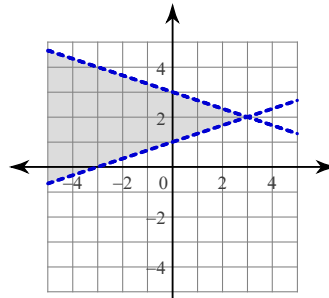
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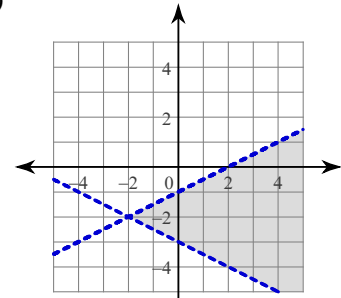
16)



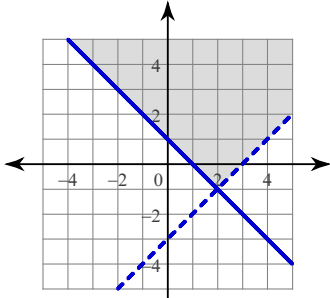
17)



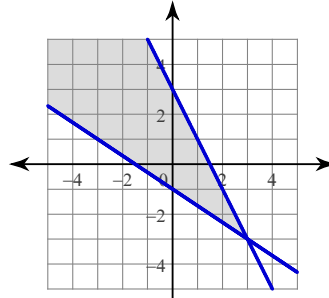
18)



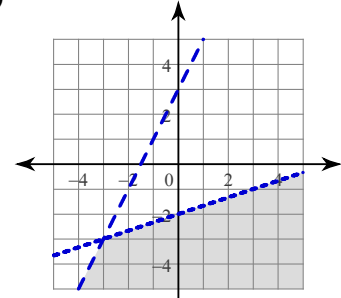
19)



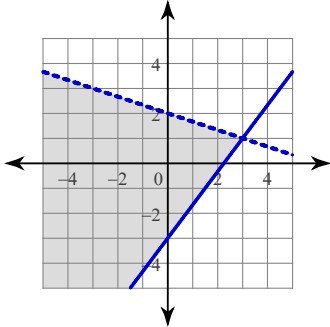
20)



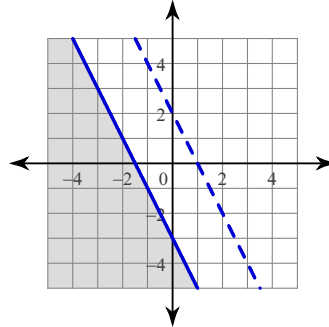
21)



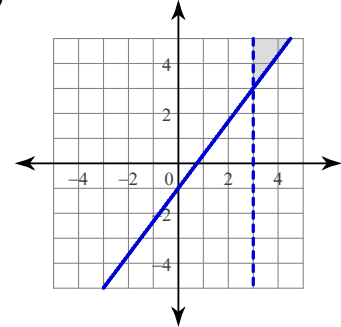
22)



23)



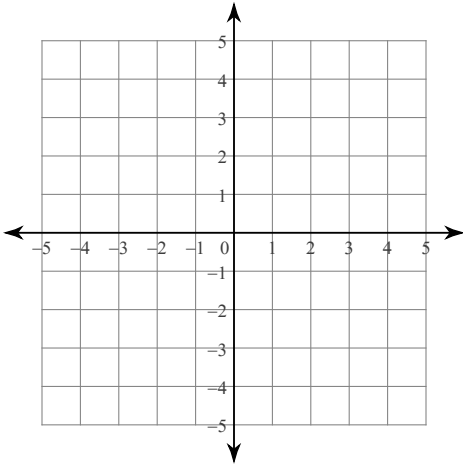
24)



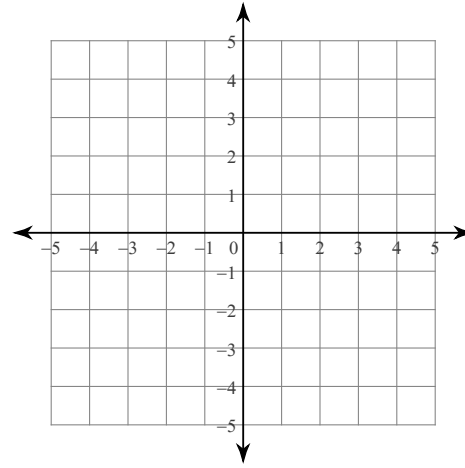
Assignment

Sketch the solution to each system of inequalities.

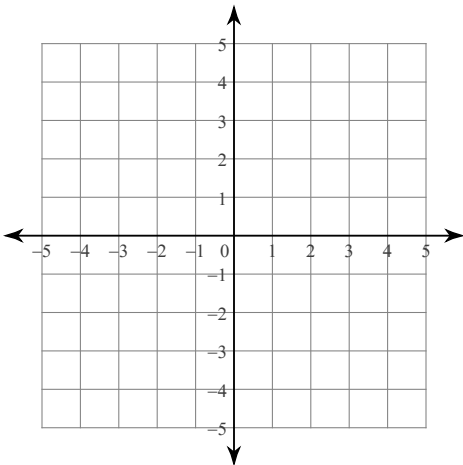
1) $y < 2x + 3$
 $y \geq -x - 3$



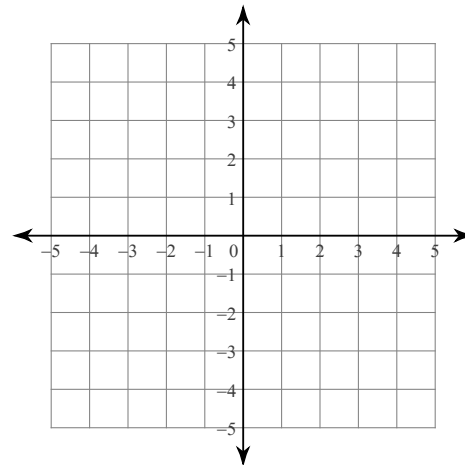
2) $y \geq 5x - 2$
 $y \leq x + 2$



3) $y > -\frac{1}{3}x - 2$
 $y \leq x + 2$

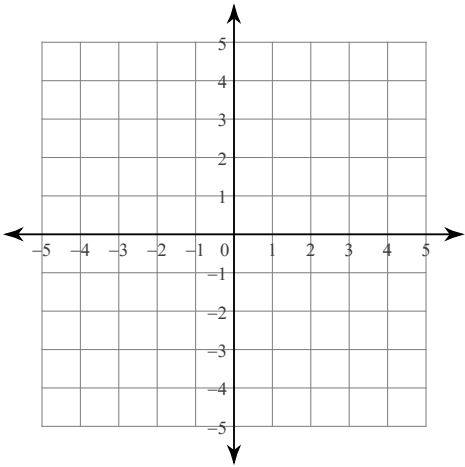


4) $y \leq -\frac{1}{3}x + 3$
 $y < x - 1$



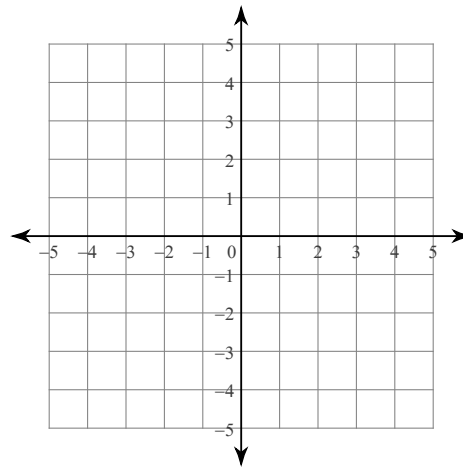
$$5) y \geq \frac{4}{3}x - 2$$

$$y > -\frac{1}{3}x + 3$$



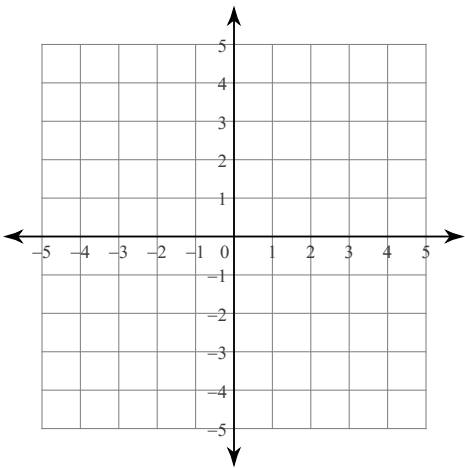
$$6) y \leq -x + 1$$

$$y \leq -x + 3$$



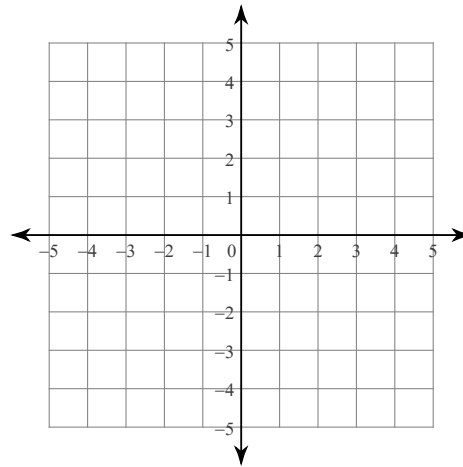
$$7) y < x + 3$$

$$y \geq x - 1$$

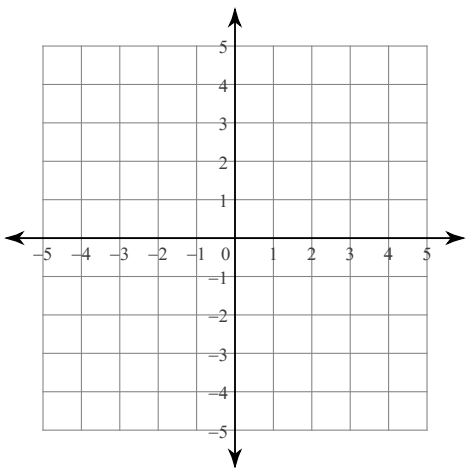


$$8) y \geq -2x + 2$$

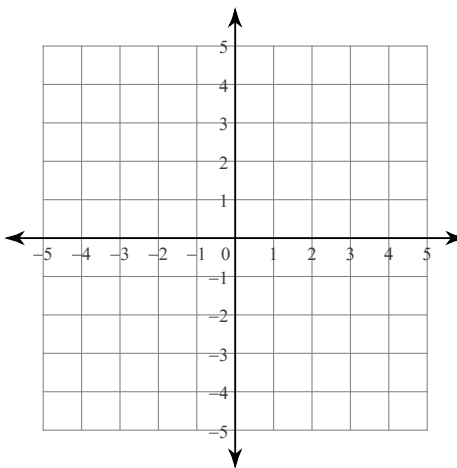
$$y < -\frac{1}{2}x - 1$$



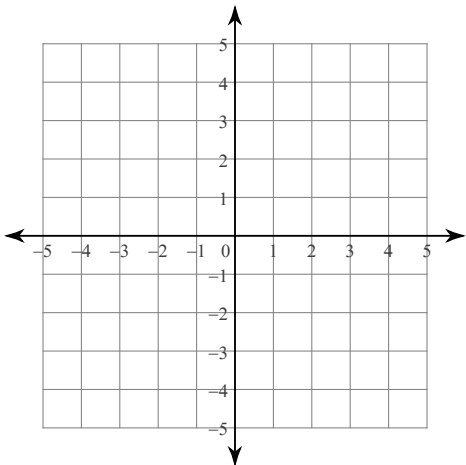
9) $y \leq 2x + 3$
 $y < -2x - 1$



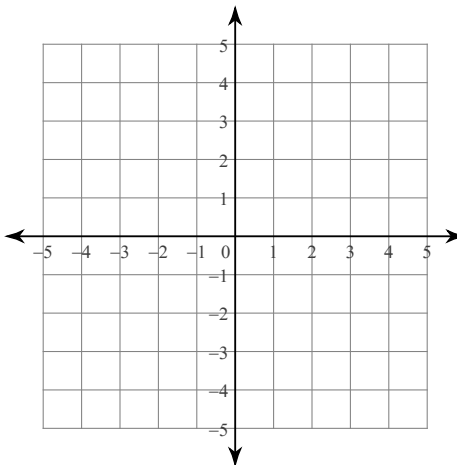
10) $y \geq -x - 2$
 $y < -6x + 3$



11) $y \leq 2x - 3$
 $y > \frac{1}{3}x + 2$

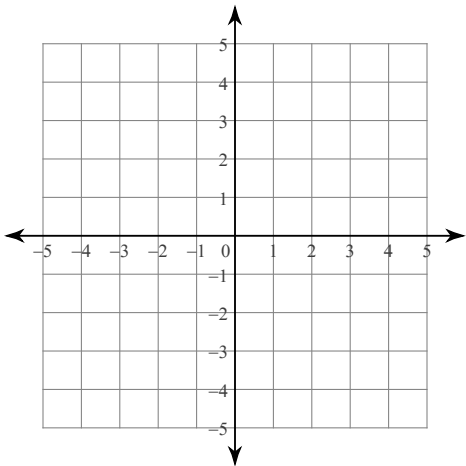


12) $y \geq -x - 2$
 $y \leq -4x + 1$



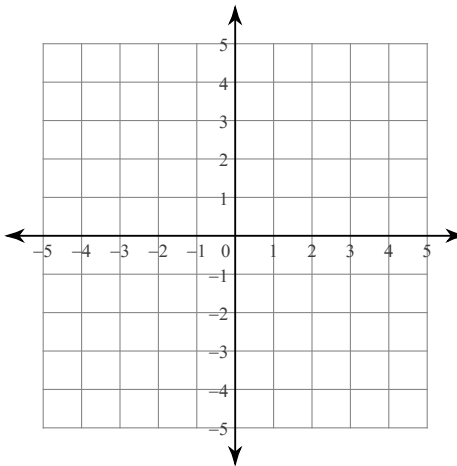
13) $y \geq x + 3$

$$y \geq -\frac{3}{2}x - 2$$



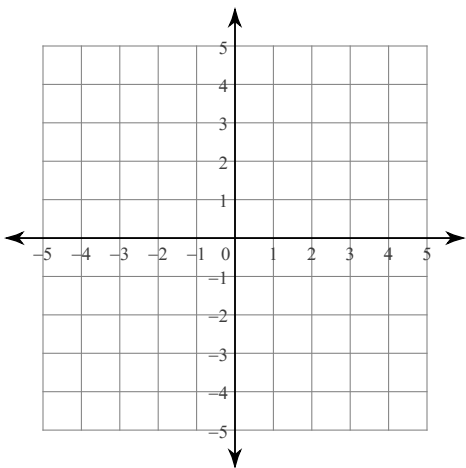
14) $y < -2x - 3$

$$y > -\frac{2}{3}x + 1$$



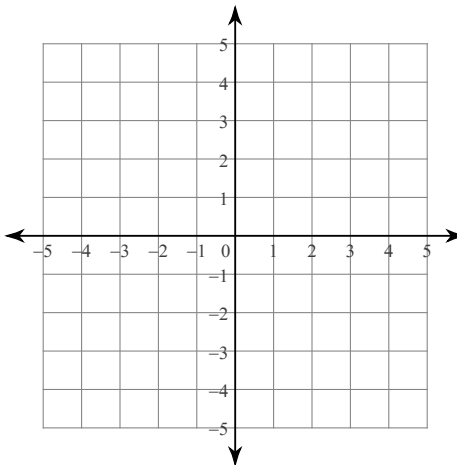
15) $y < -\frac{5}{2}x - 3$

$$y \leq -\frac{5}{2}x + 1$$



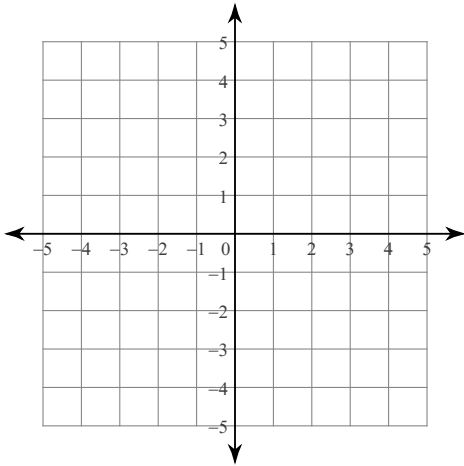
16) $y \leq -x + 2$

$$y > -5x - 2$$



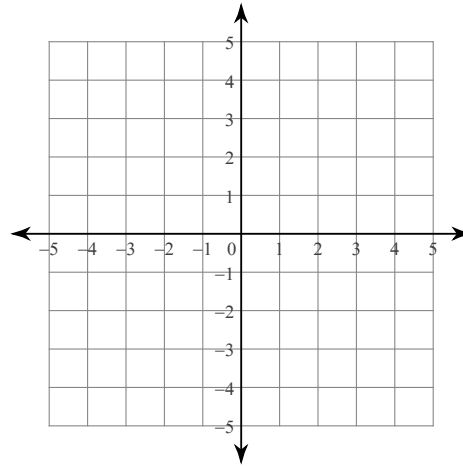
17) $y \leq 3$

$y < \frac{5}{3}x - 2$



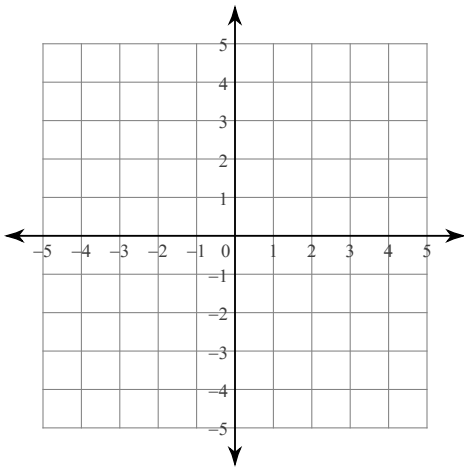
18) $y \geq -\frac{1}{3}x + 1$

$x \leq -3$



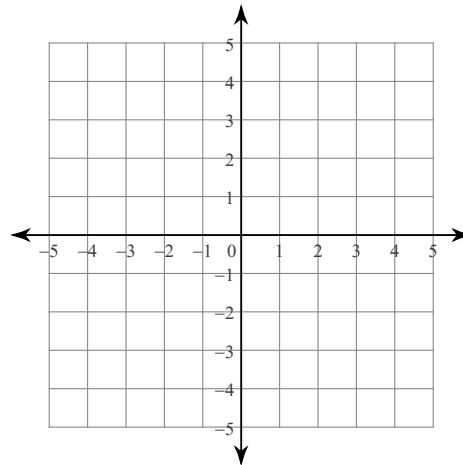
19) $y > x - 3$

$y \geq -3x + 1$

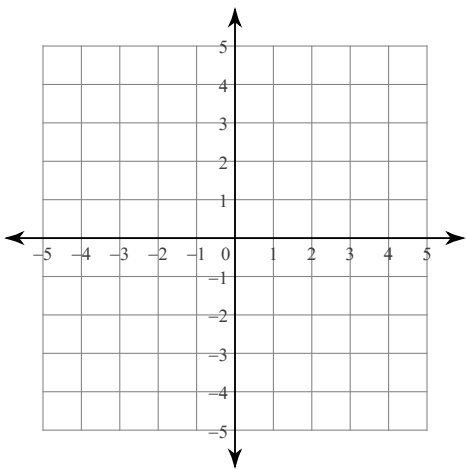


20) $y > \frac{5}{3}x - 3$

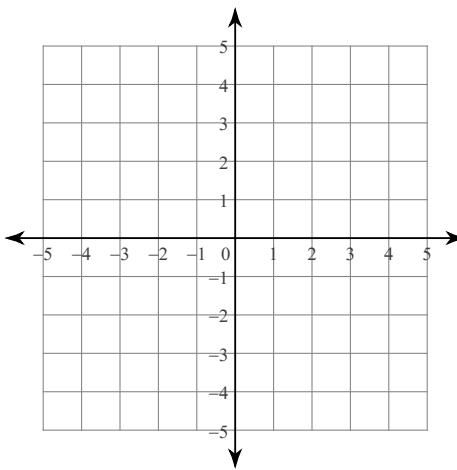
$y \geq -\frac{1}{3}x + 3$



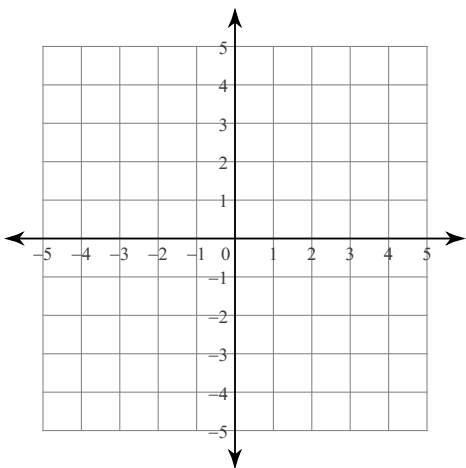
21) $y \leq 2x - 3$
 $y > -3x + 2$



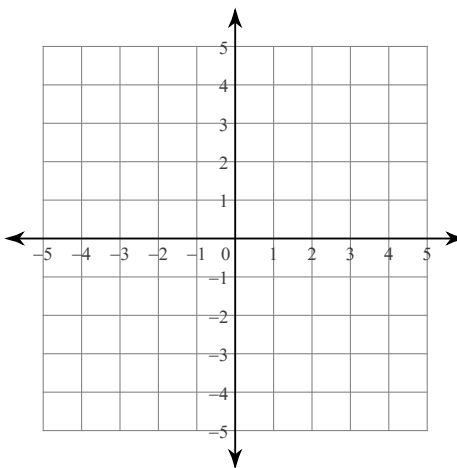
22) $y < 4x + 2$
 $y \leq x - 1$



23) $y > -\frac{2}{3}x + 3$
 $y \leq \frac{4}{3}x - 3$

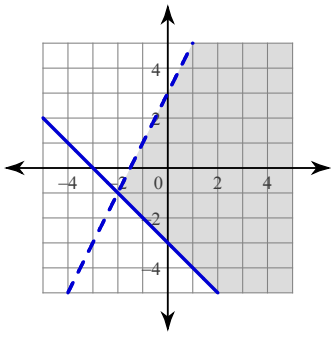


24) $y \geq \frac{5}{2}x + 2$
 $y \geq \frac{1}{2}x - 2$

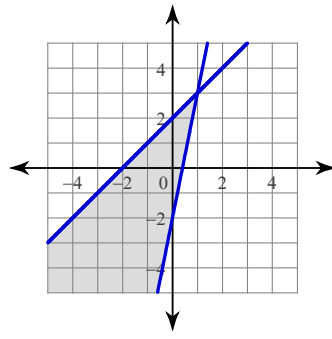


Answers to Assignment (ID: 7)

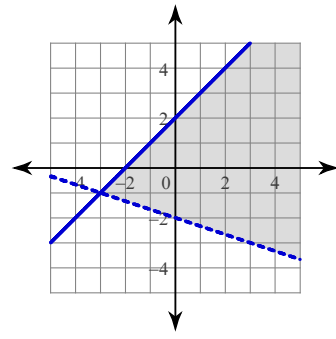
1)



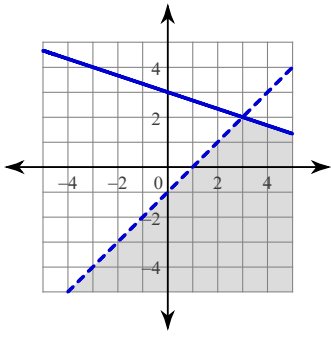
2)



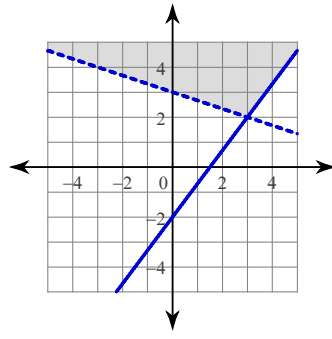
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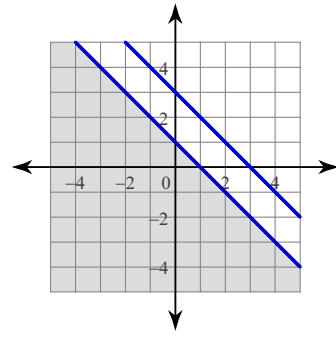
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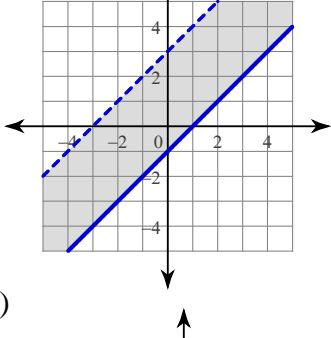
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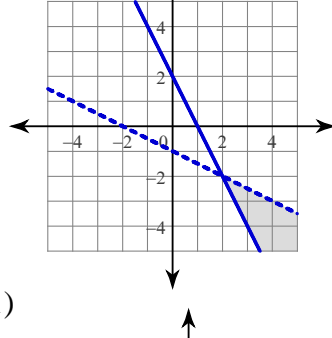
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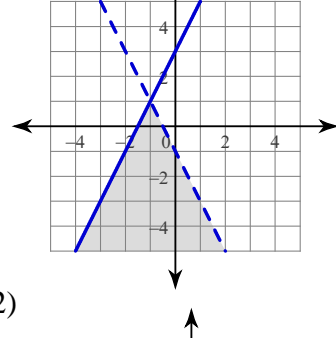
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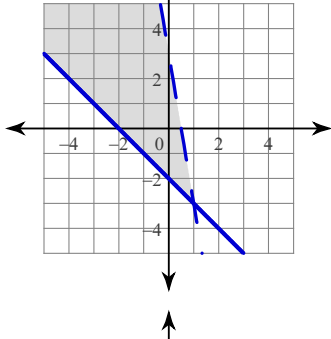
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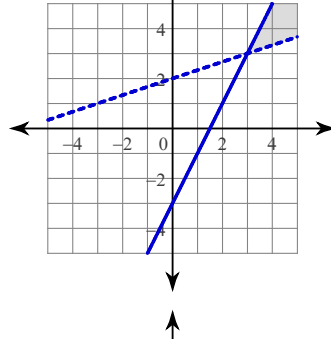
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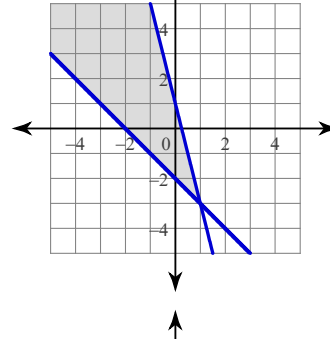
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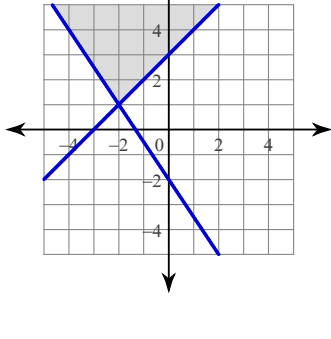
11)



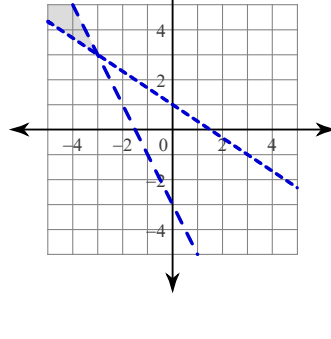
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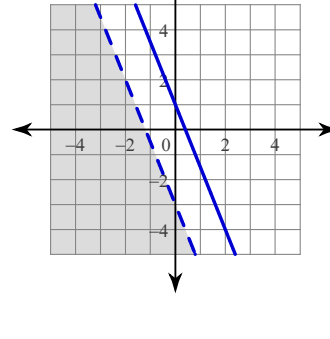
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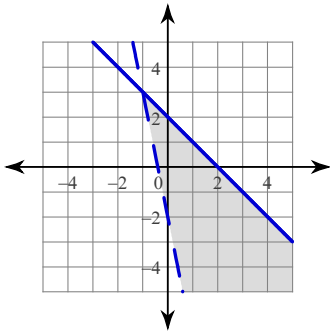
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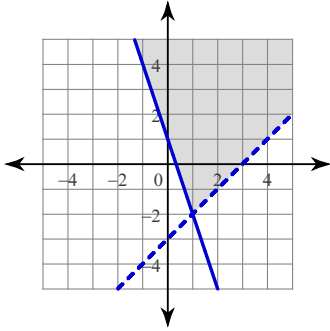
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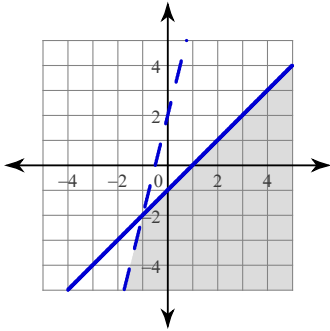
16)



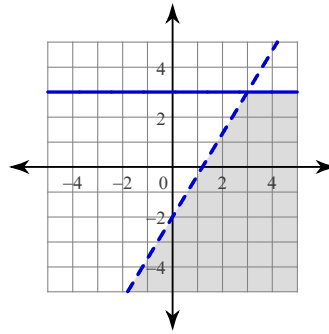
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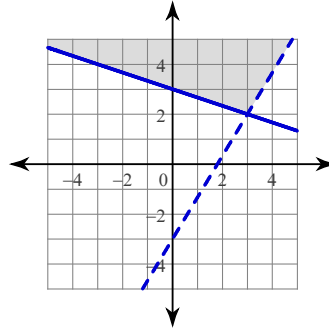
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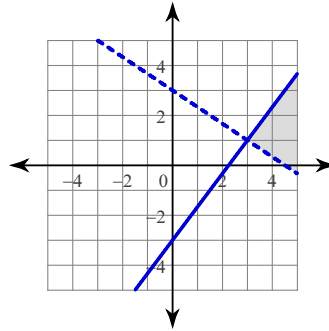
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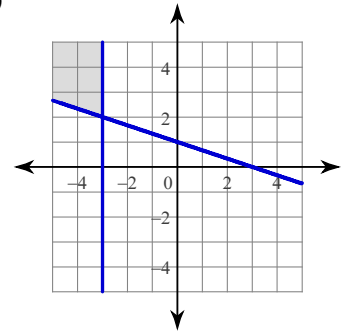
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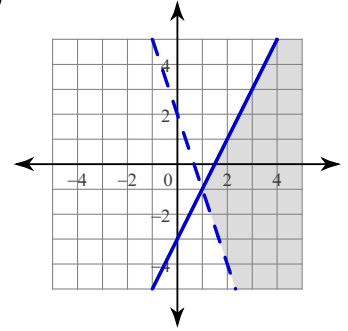
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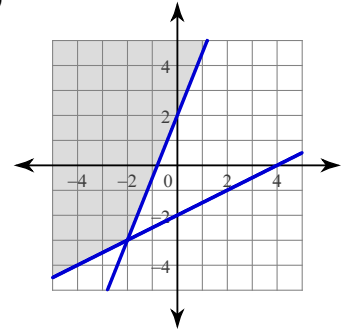
18)



21)



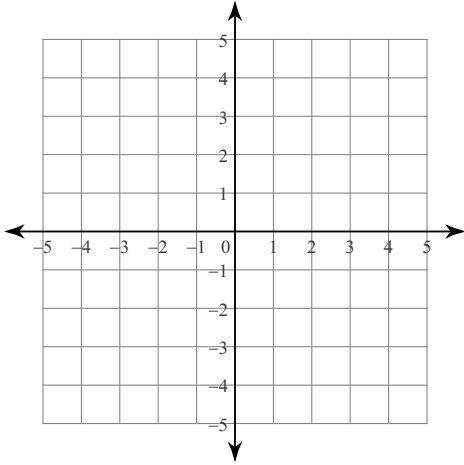
24)



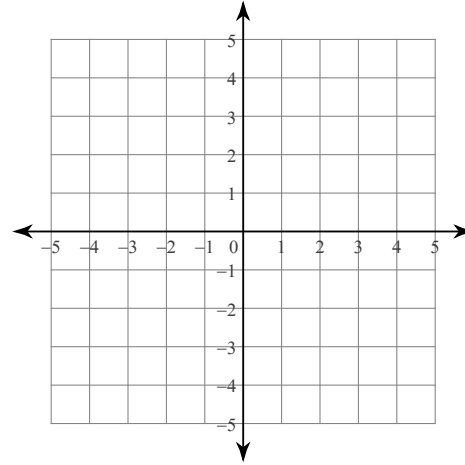
Assignment

Sketch the solution to each system of inequalities.

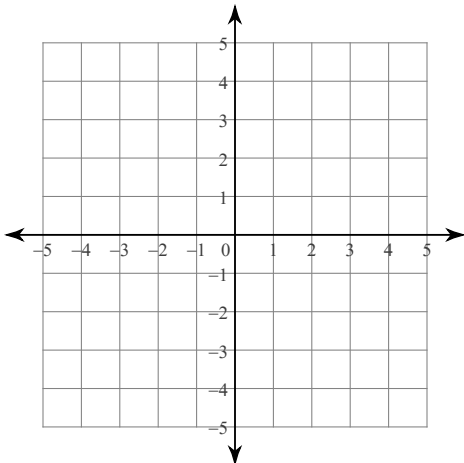
$$1) \begin{cases} y < -\frac{1}{2}x + 2 \\ y \geq x - 1 \end{cases}$$



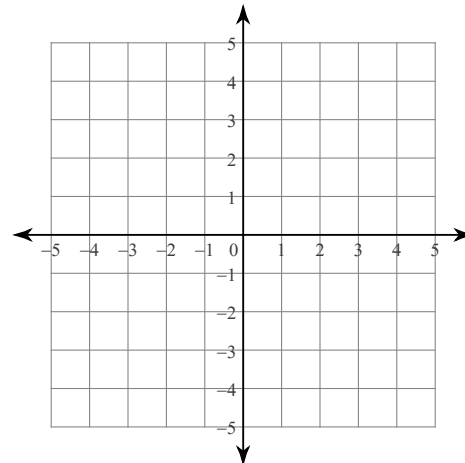
$$2) \begin{cases} y \leq 3x + 3 \\ y > \frac{1}{2}x - 2 \end{cases}$$



$$3) \begin{cases} y < x - 3 \\ y > -4x + 2 \end{cases}$$

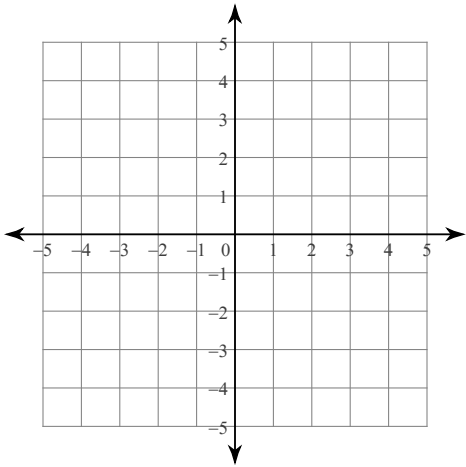


$$4) \begin{cases} y \geq -x + 1 \\ y > x - 3 \end{cases}$$



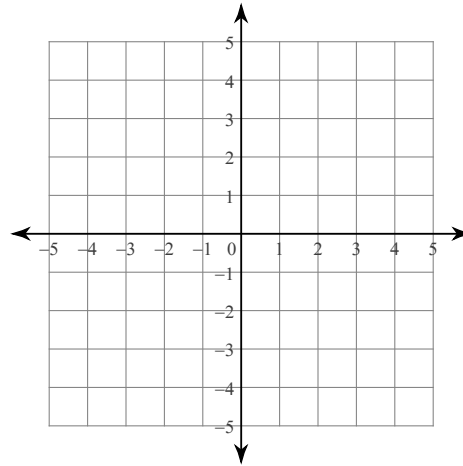
$$5) y > -\frac{5}{3}x - 2$$

$$y < -\frac{5}{3}x - 3$$



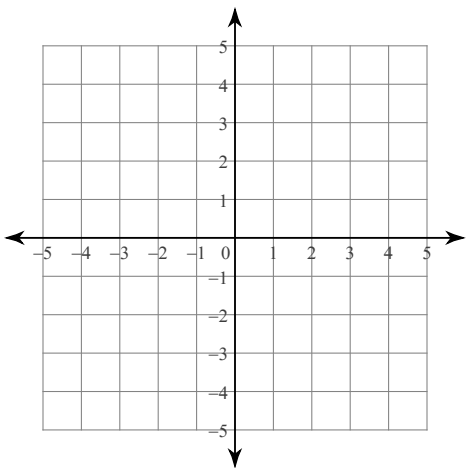
$$6) y \leq 2x - 3$$

$$y \leq \frac{2}{3}x + 1$$



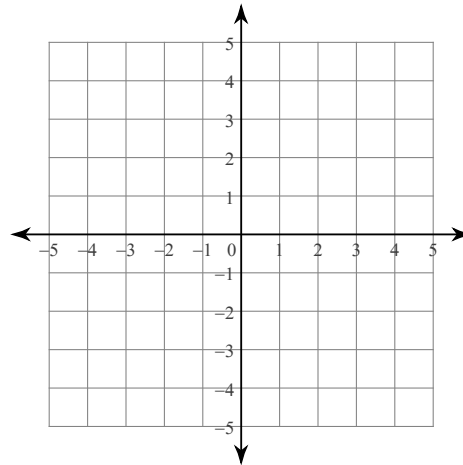
$$7) y > 2x + 1$$

$$y \geq -2x - 3$$

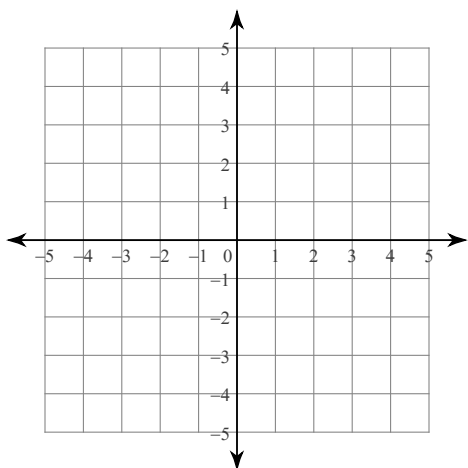


$$8) y \geq 2x + 3$$

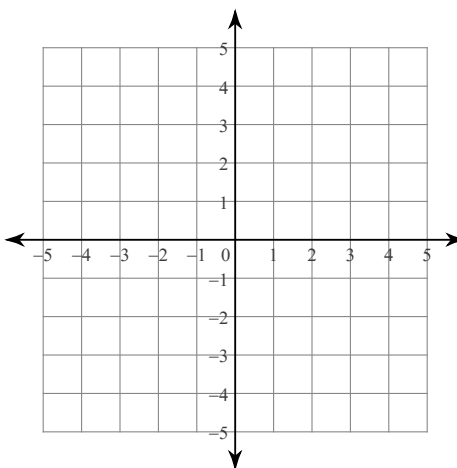
$$y \geq -\frac{1}{2}x - 2$$



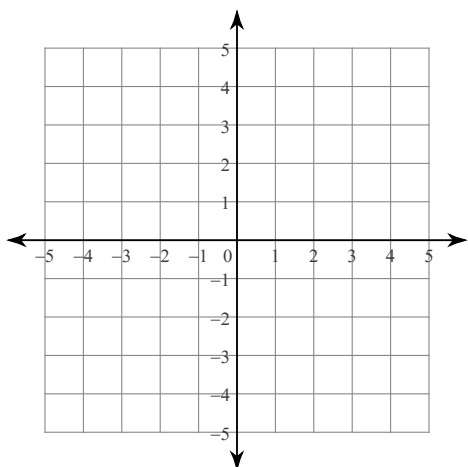
9) $y > -2$
 $y > 2x + 2$



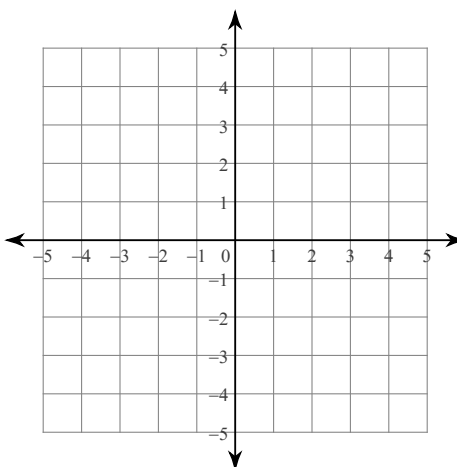
10) $y \geq \frac{1}{2}x + 1$
 $y \leq 2x - 2$



11) $y > x + 1$
 $y \geq 4x - 2$

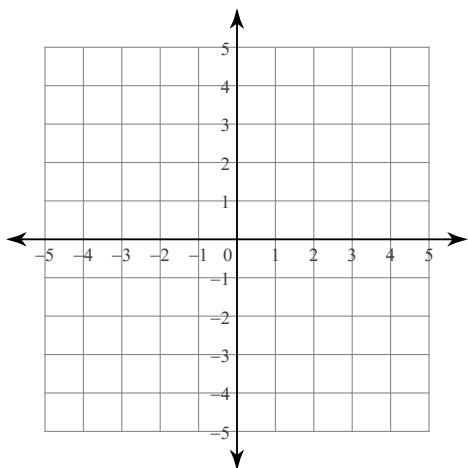


12) $y > 3x - 2$
 $y > 3x - 3$



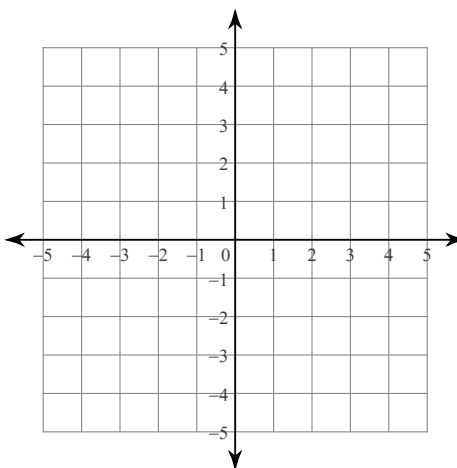
13) $y > -\frac{4}{3}x + 2$

$y \leq -\frac{1}{3}x - 1$



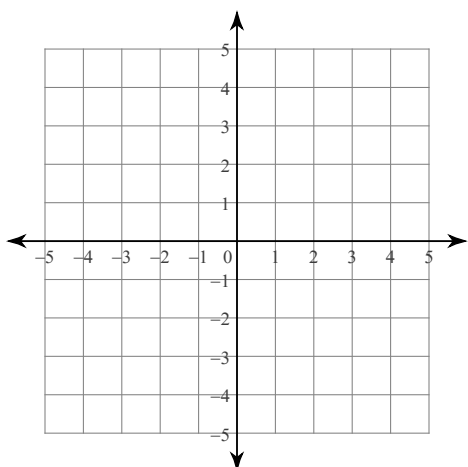
14) $y \geq -3$

$y < -\frac{5}{2}x + 2$



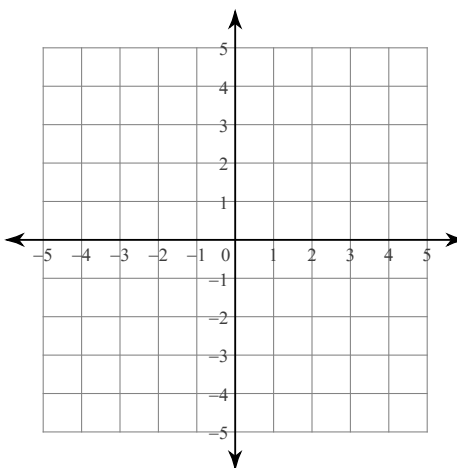
15) $y \geq \frac{5}{2}x - 3$

$y > -\frac{1}{2}x + 3$

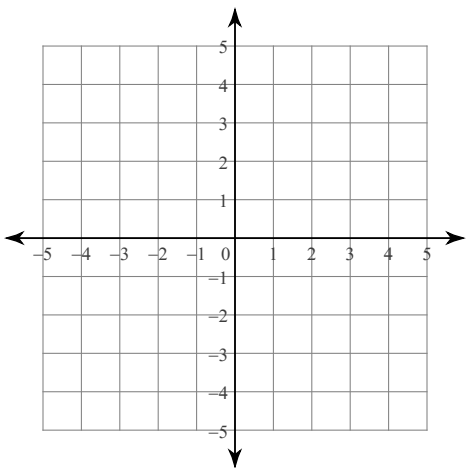


16) $y \geq -2x + 1$

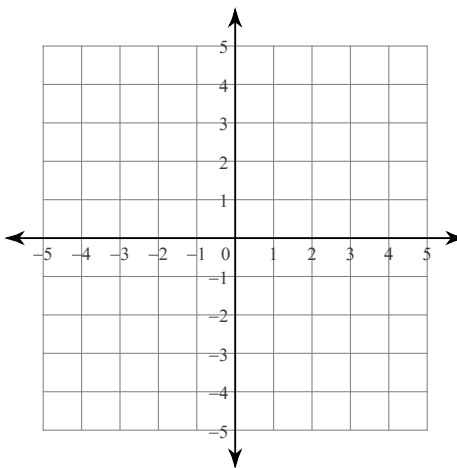
$y \geq -3$



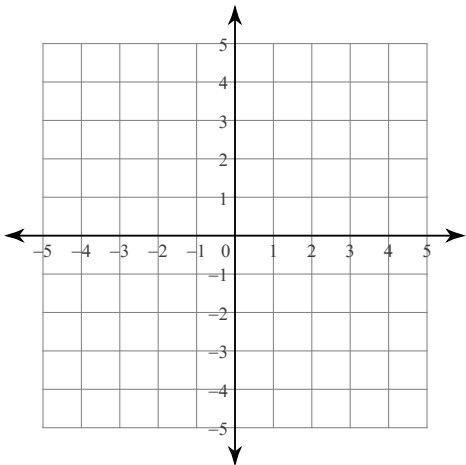
17) $y > 2x + 3$
 $y \geq -4x - 3$



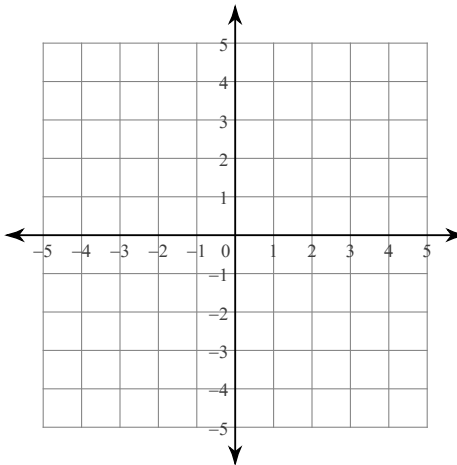
18) $y \geq 5x - 2$
 $y > 3$



19) $y \leq x - 2$
 $y \leq 4x + 1$

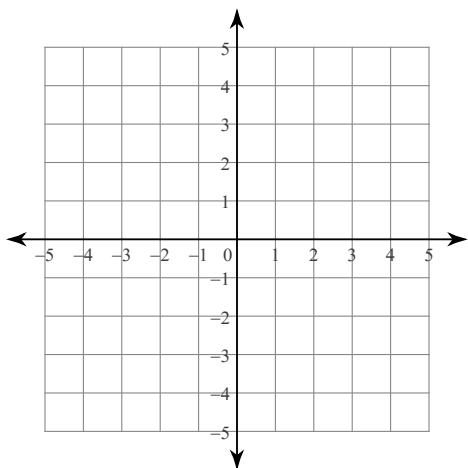


20) $y < 2x + 2$
 $y < -\frac{1}{2}x - 3$



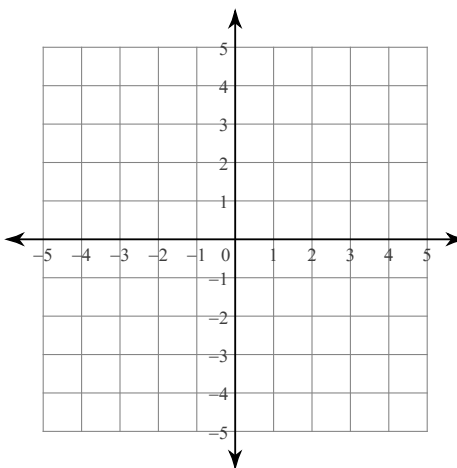
21) $y \leq -\frac{3}{2}x - 1$

$y \geq -\frac{1}{2}x + 1$



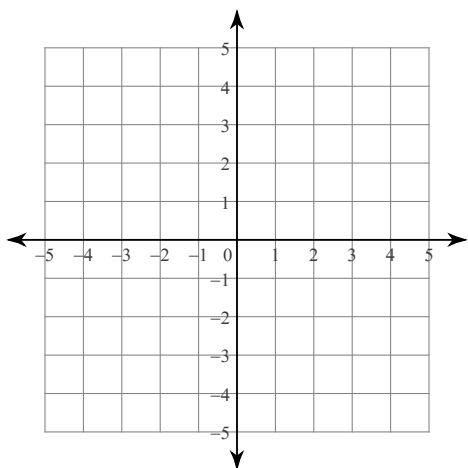
22) $y \geq -\frac{2}{3}x + 1$

$y \geq \frac{2}{3}x - 3$



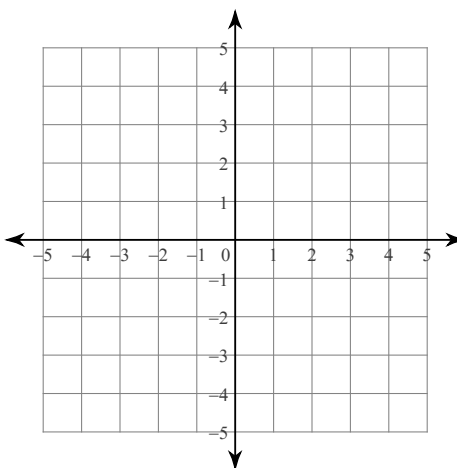
23) $y \leq -5x - 2$

$y > -5x + 2$



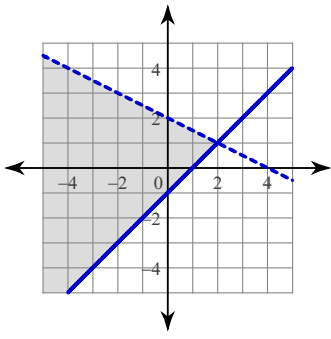
24) $y > x - 3$

$y > -x + 1$

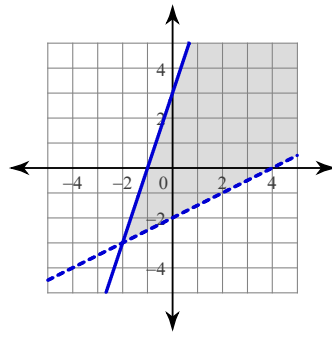


Answers to Assignment (ID: 8)

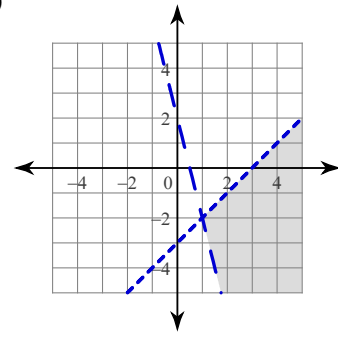
1)



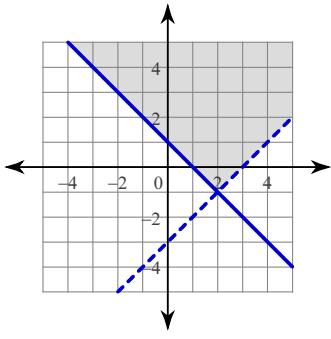
2)



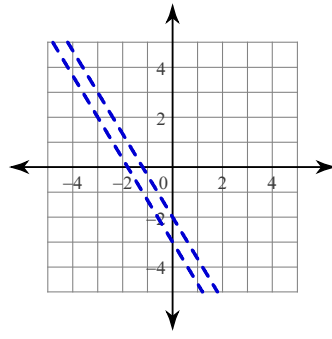
3)



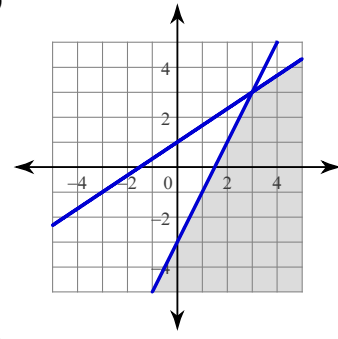
4)



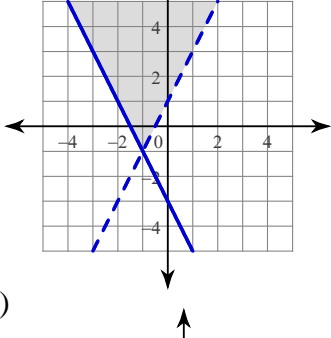
5)



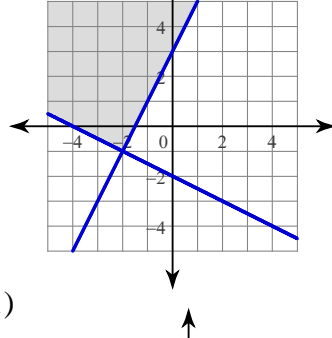
6)



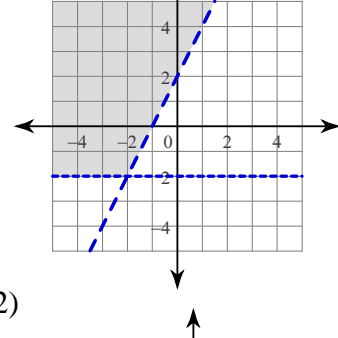
7)



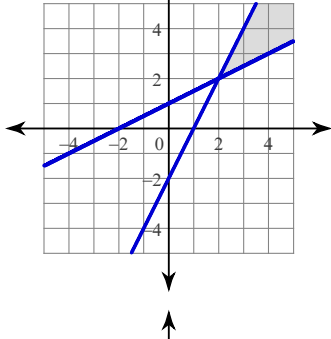
8)



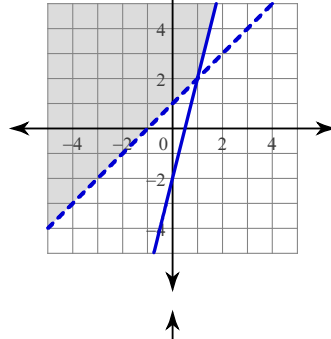
9)



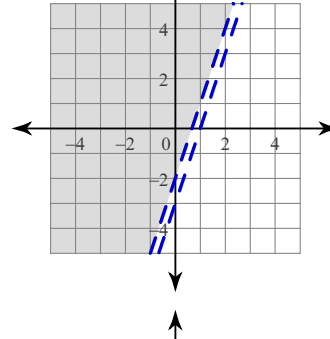
10)



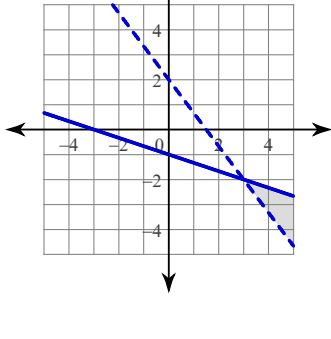
11)



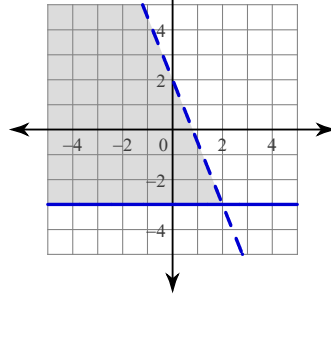
12)



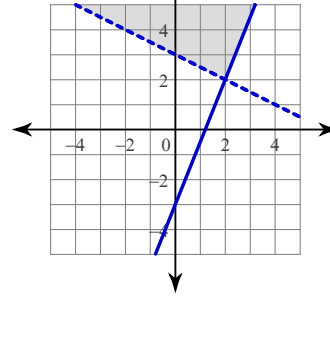
13)



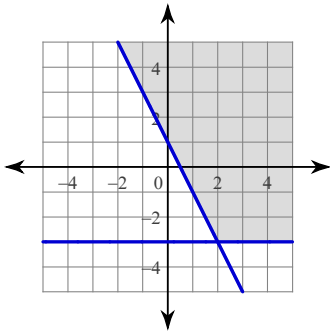
14)



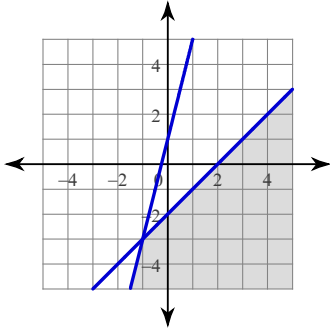
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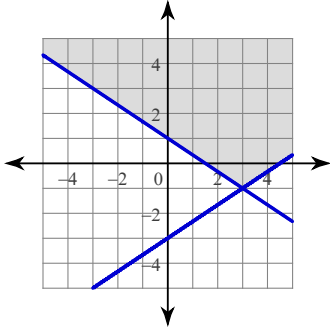
16)



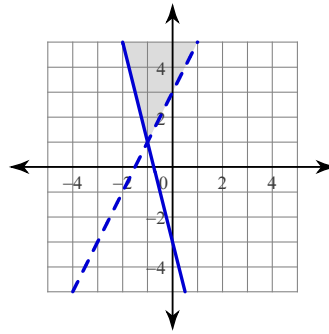
19)



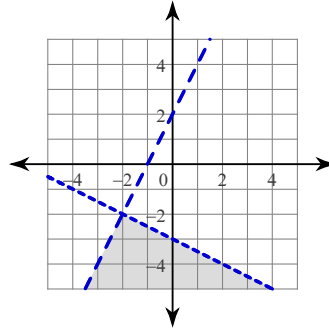
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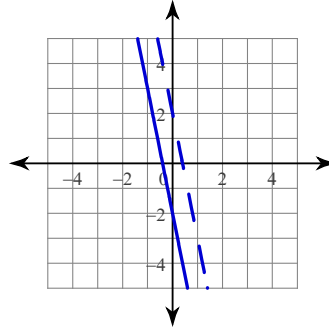
17)



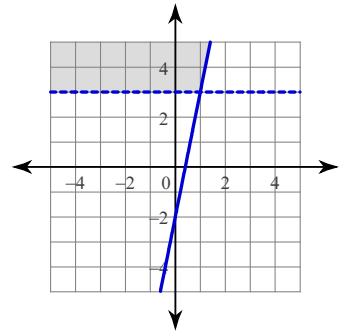
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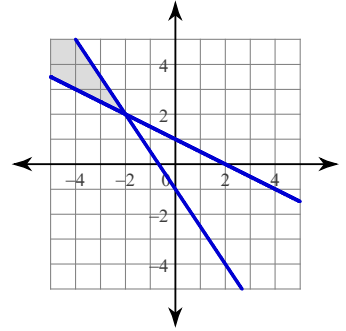
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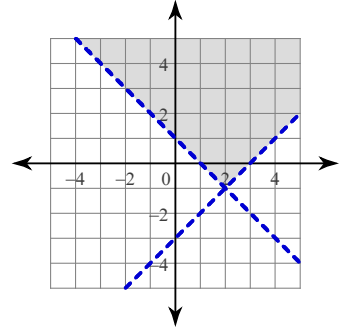
18)



21)



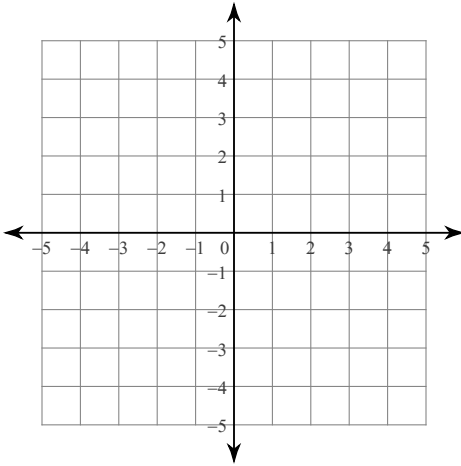
24)



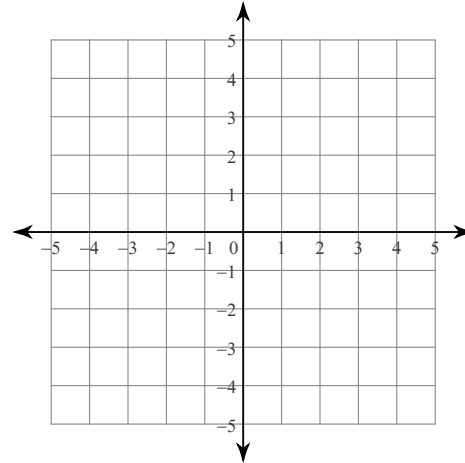
Assignment

Sketch the solution to each system of inequalities.

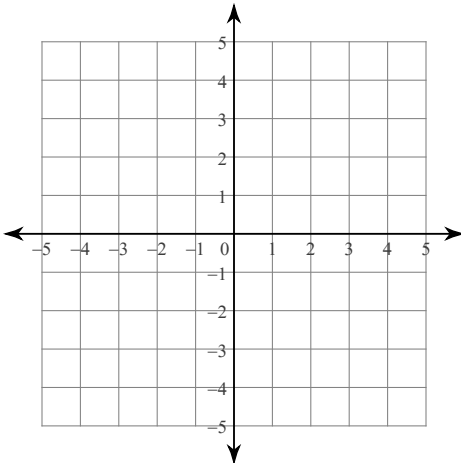
1) $y > -5x + 3$
 $y \geq x - 3$



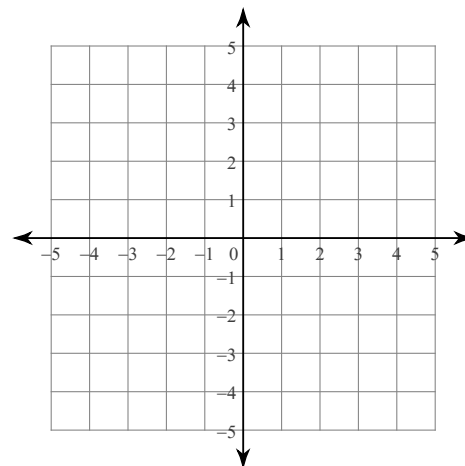
2) $y \leq -\frac{3}{2}x + 1$
 $y > -\frac{1}{2}x - 1$



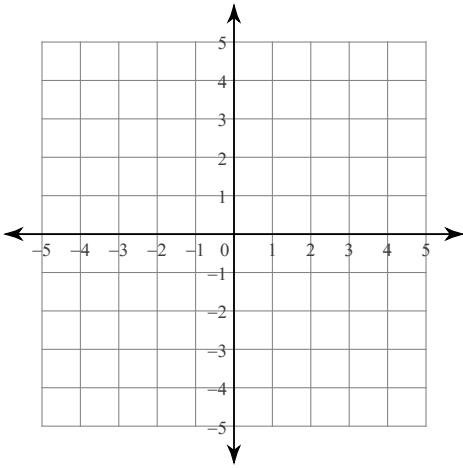
3) $x < -3$
 $y > -x - 2$



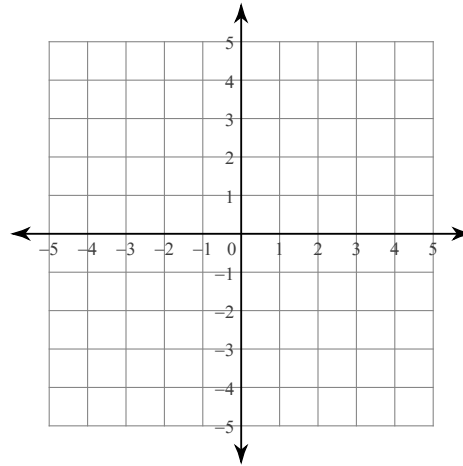
4) $y \leq -\frac{1}{2}x + 1$
 $y \leq -\frac{1}{2}x - 3$



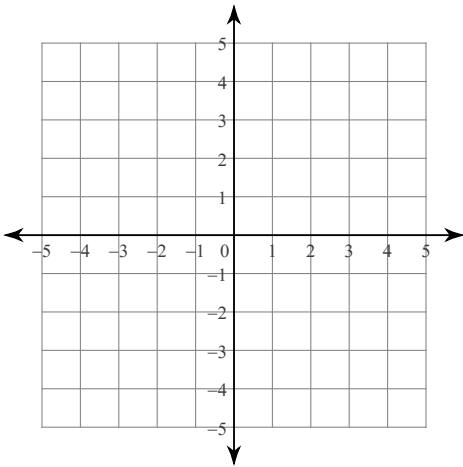
5) $y \geq x - 2$
 $y < 6x + 3$



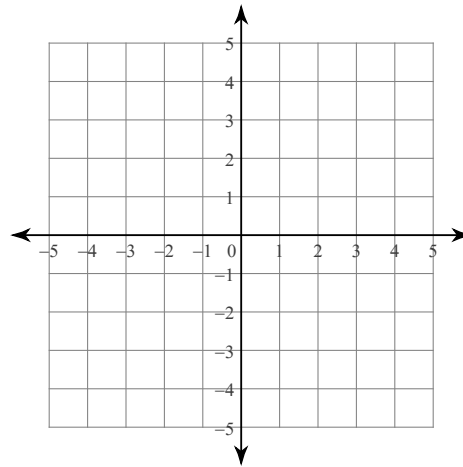
6) $y \leq -\frac{2}{3}x + 3$
 $x \leq 3$



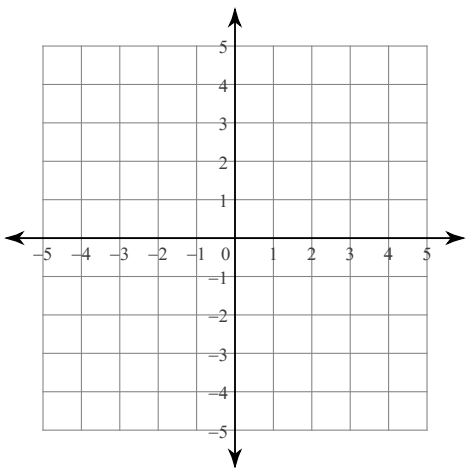
7) $y > \frac{1}{3}x + 2$
 $y < -x - 2$



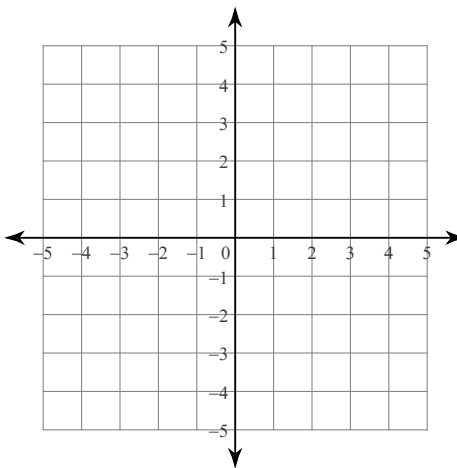
8) $y \leq -x - 2$
 $y < \frac{2}{3}x + 3$



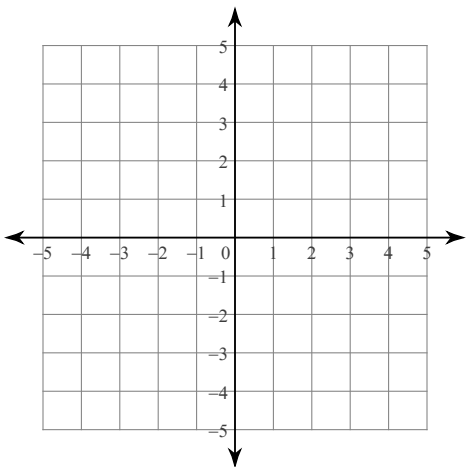
9) $y > x + 1$
 $y \geq 4x - 2$



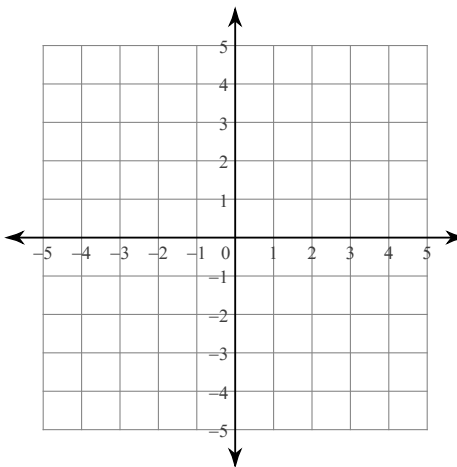
10) $y \leq -2x - 1$
 $y < -\frac{1}{2}x + 2$



11) $y > x - 2$
 $y < 6x + 3$

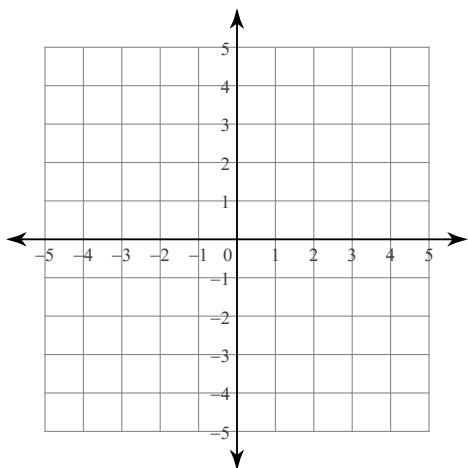


12) $y > -x - 2$
 $y \geq 4x + 3$

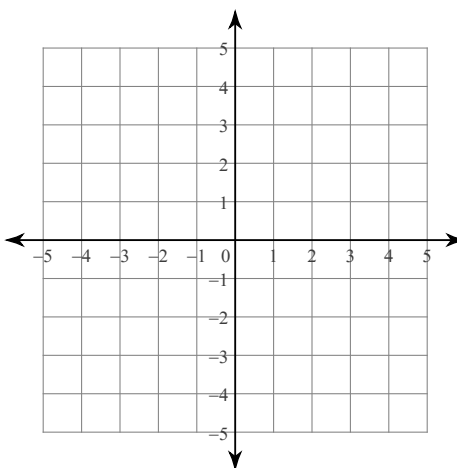


13) $y < -\frac{5}{3}x - 3$

$y \leq -\frac{1}{3}x + 1$

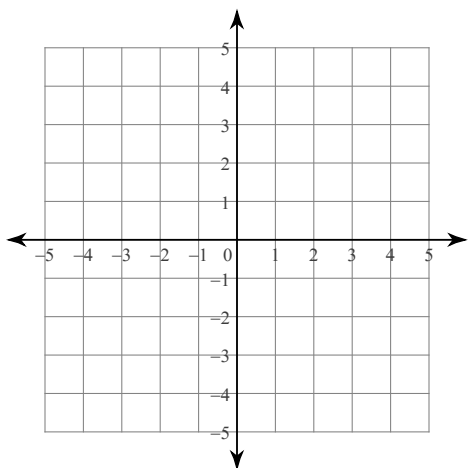


14) $y > -x - 2$
 $y \geq 3x + 2$

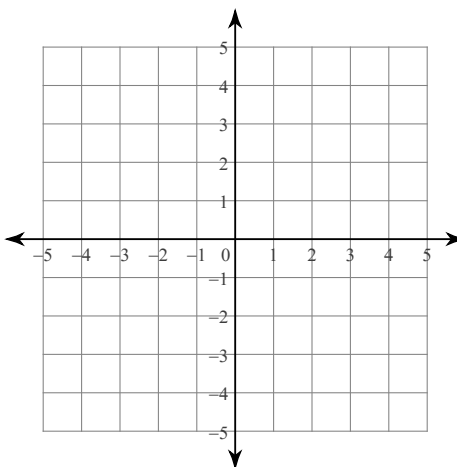


15) $y \leq -\frac{5}{3}x - 2$

$x \geq -3$

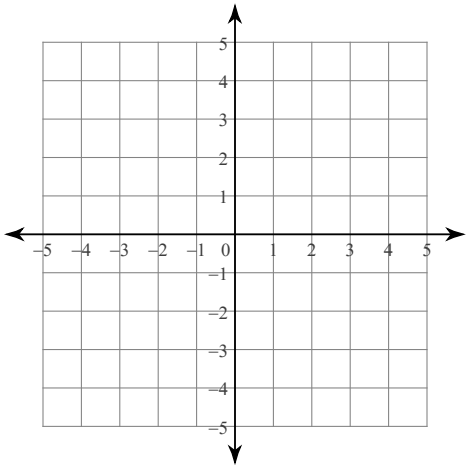


16) $y > 5x + 3$
 $y < -x - 3$

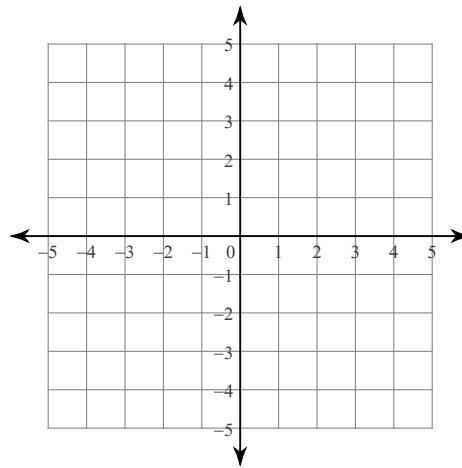


17) $y \geq -\frac{1}{2}x + 3$

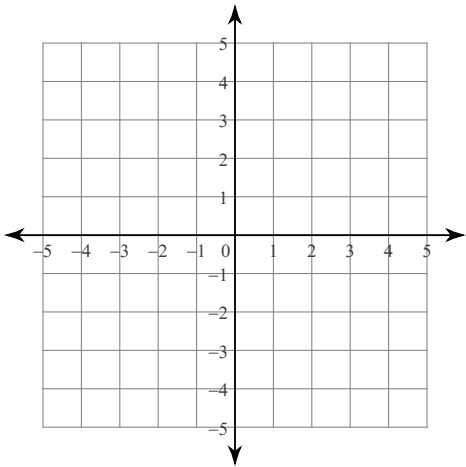
$y > \frac{3}{2}x - 1$



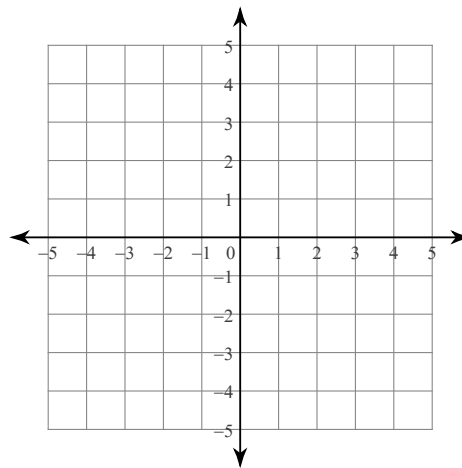
18) $y \leq -2x + 3$
 $y > 4x - 3$



19) $y \geq -2x + 3$
 $y > 4x - 3$

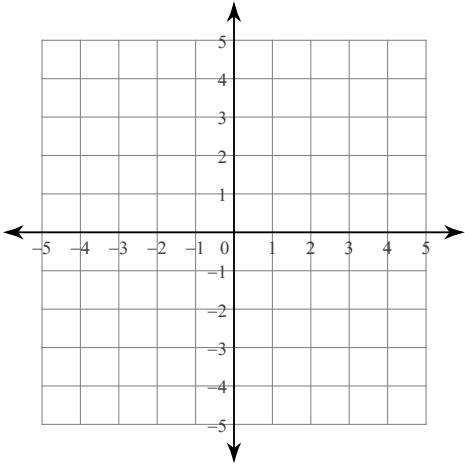


20) $y < \frac{1}{2}x - 1$
 $y < -\frac{1}{2}x - 3$

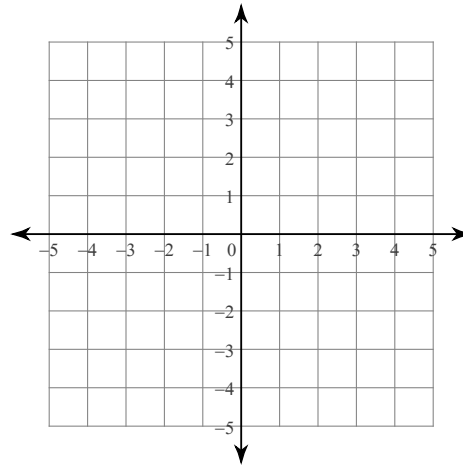


21) $y \geq -\frac{1}{3}x + 2$

$y > \frac{2}{3}x - 1$

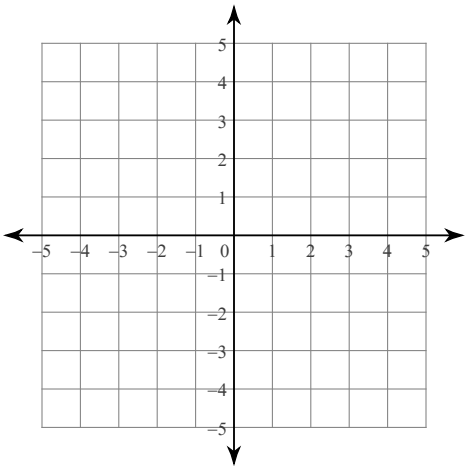


22) $y \geq x + 1$
 $y > -x + 3$

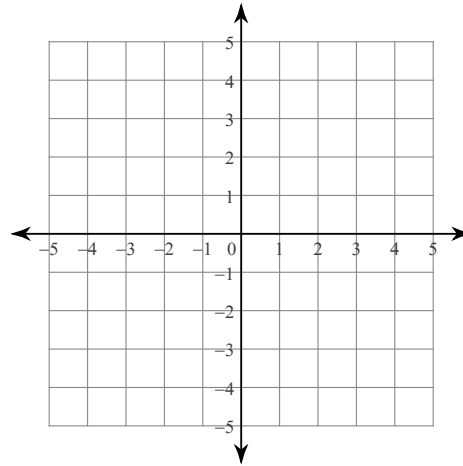


23) $y \leq -\frac{4}{3}x + 1$

$y > -\frac{1}{3}x - 2$

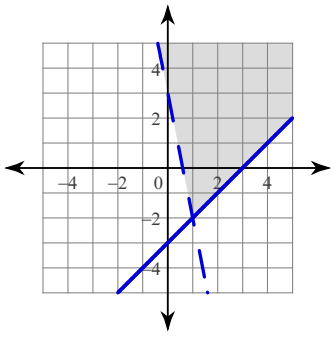


24) $y > \frac{1}{3}x - 2$
 $y \leq 2x + 3$

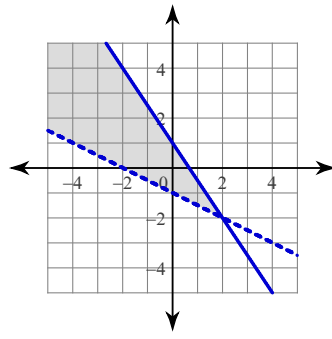


Answers to Assignment (ID: 9)

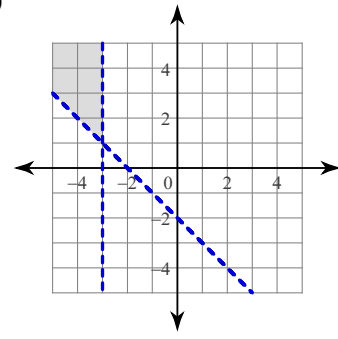
1)



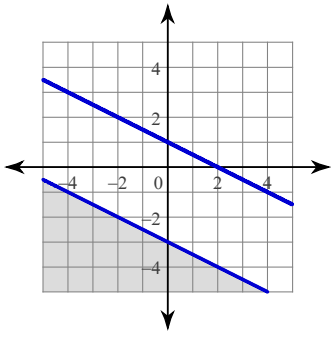
2)



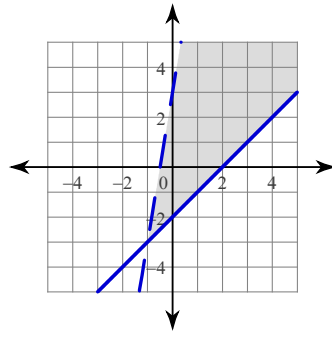
3)



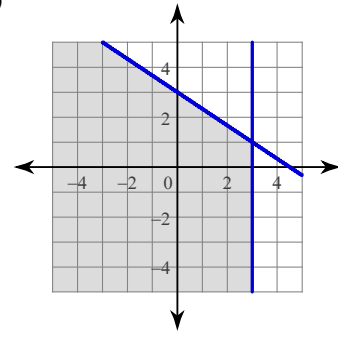
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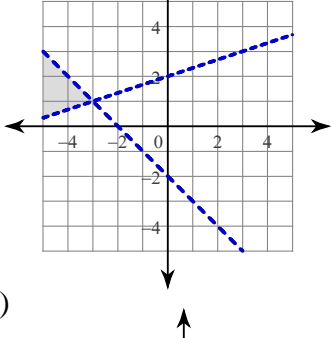
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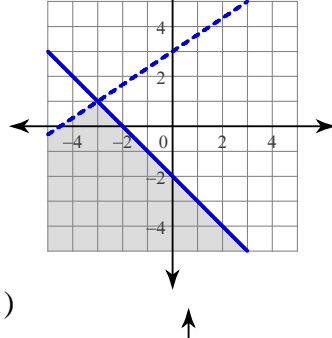
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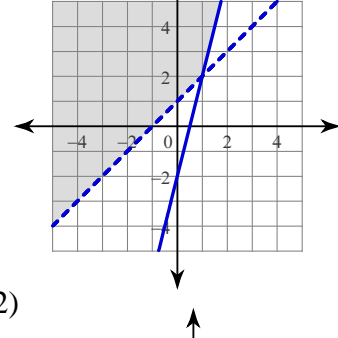
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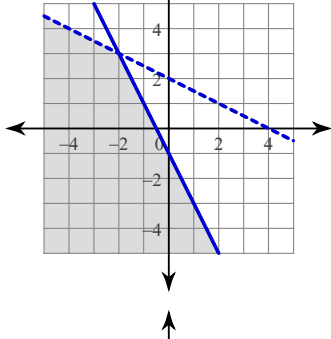
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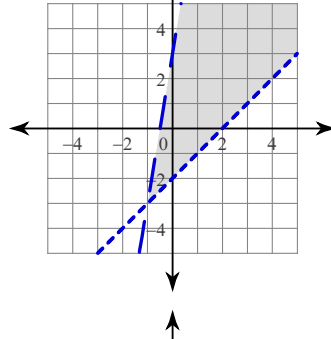
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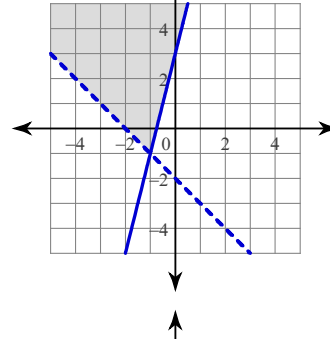
10)



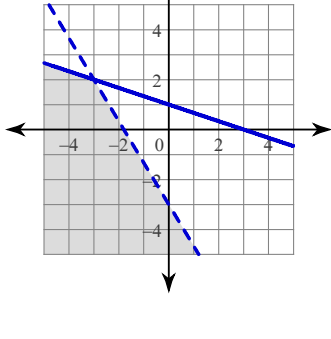
11)



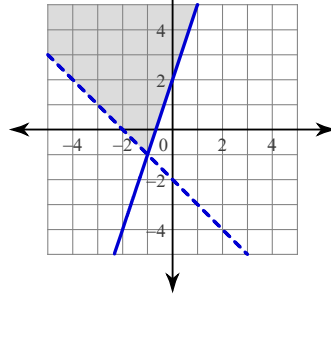
12)



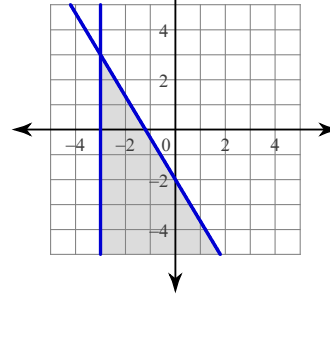
13)



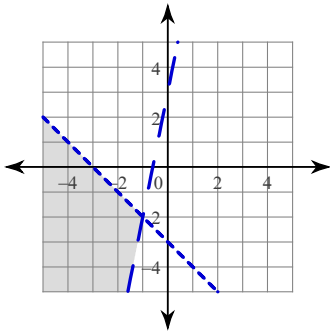
14)



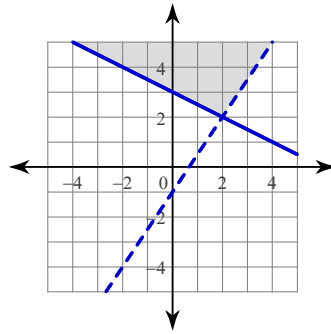
15)



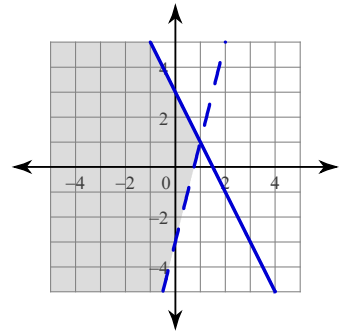
16)



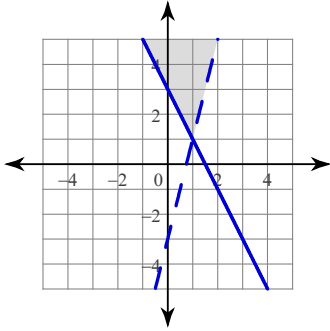
17)



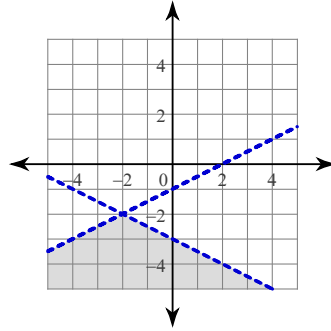
18)



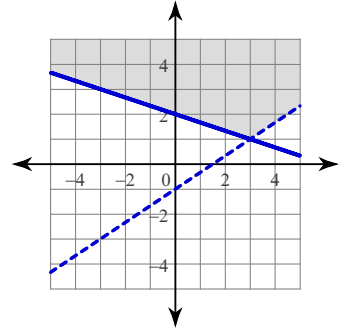
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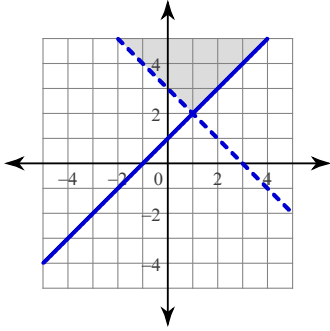
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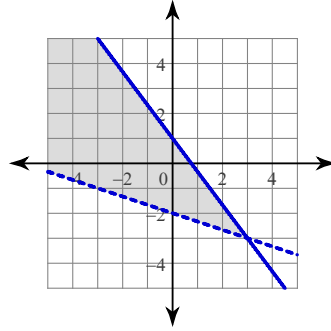
21)



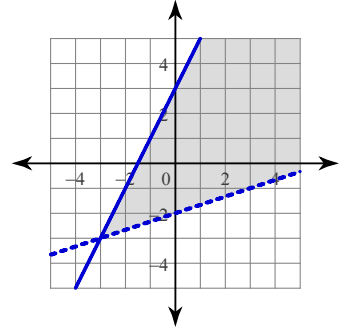
22)



23)



24)

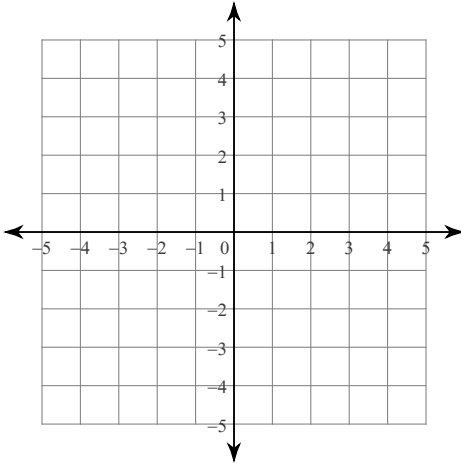


Assignment

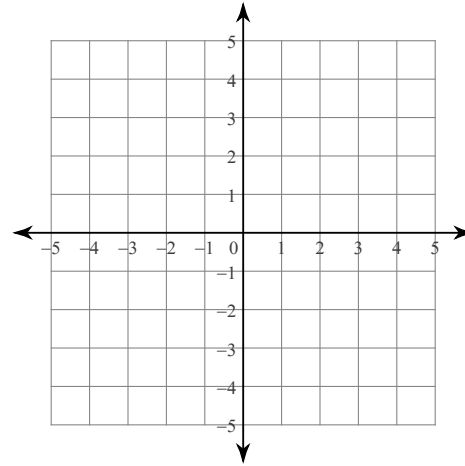
Sketch the solution to each system of inequalities.

1) $y \geq \frac{5}{2}x - 2$

$y < \frac{1}{2}x + 2$

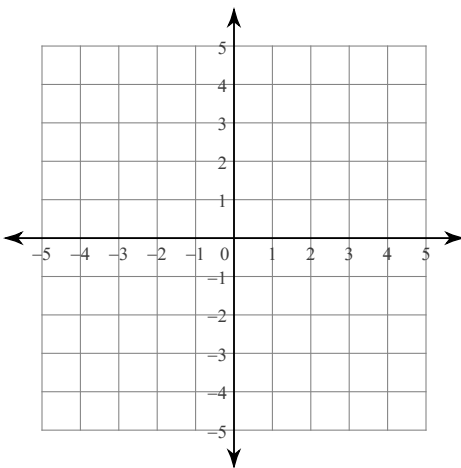


2) $y > 5x - 3$
 $y > 5x + 1$



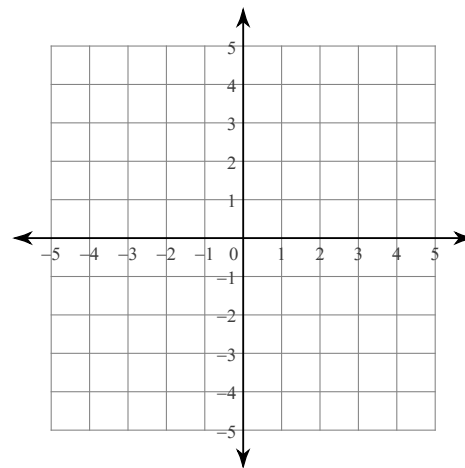
3) $y \leq \frac{1}{2}x + 2$

$y \geq 3x - 3$

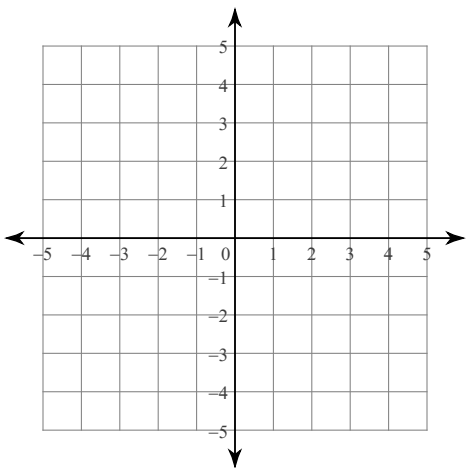


4) $y < -\frac{2}{3}x - 3$

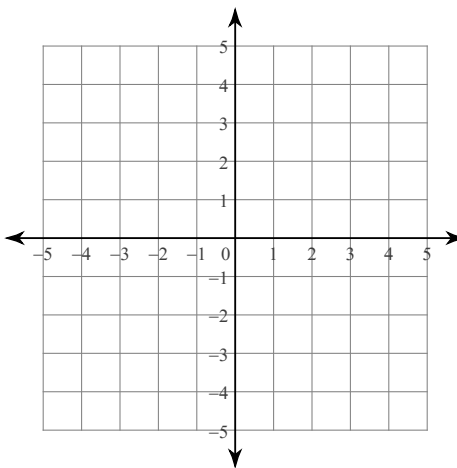
$y \geq x + 2$



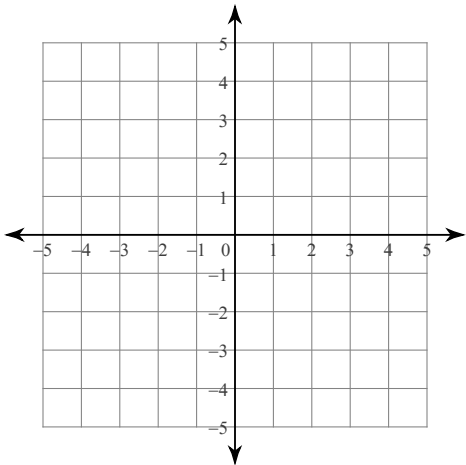
5) $y < x - 3$
 $y < -2x + 3$



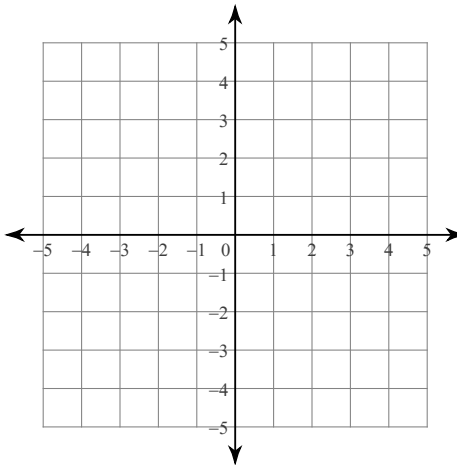
6) $y > 2x + 3$
 $y > -3x - 2$



7) $y > -\frac{1}{3}x - 1$
 $y > -\frac{5}{3}x + 3$

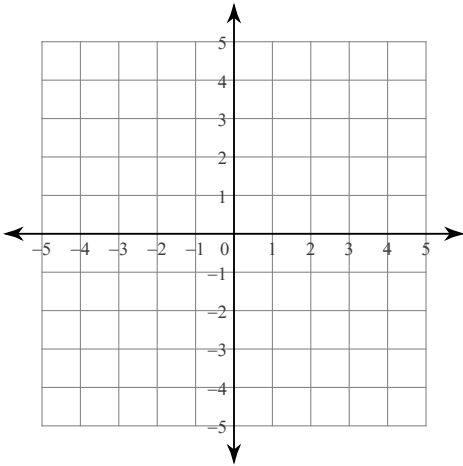


8) $y \geq \frac{4}{3}x + 3$
 $y \leq -\frac{1}{3}x - 2$



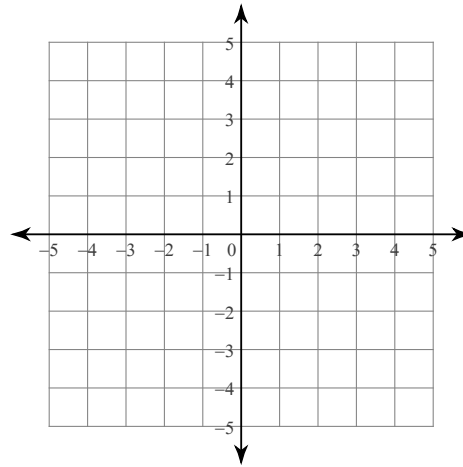
$$9) y < \frac{1}{2}x + 2$$

$$y \leq -2x - 3$$



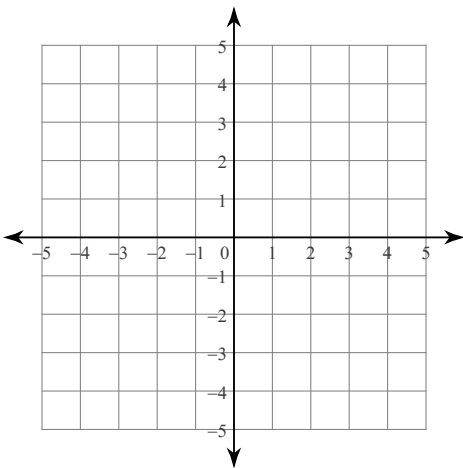
$$10) y \leq \frac{1}{3}x + 2$$

$$y \leq -\frac{4}{3}x - 3$$



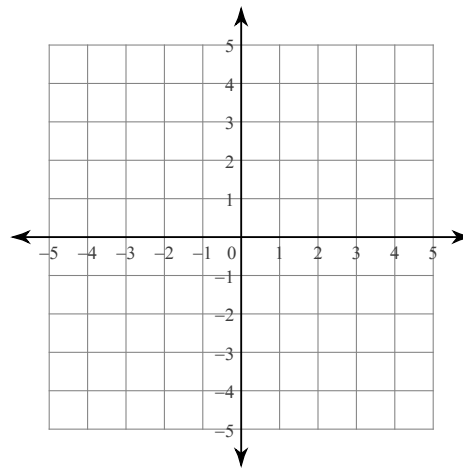
$$11) y < -\frac{1}{2}x - 2$$

$$y > -3x + 3$$



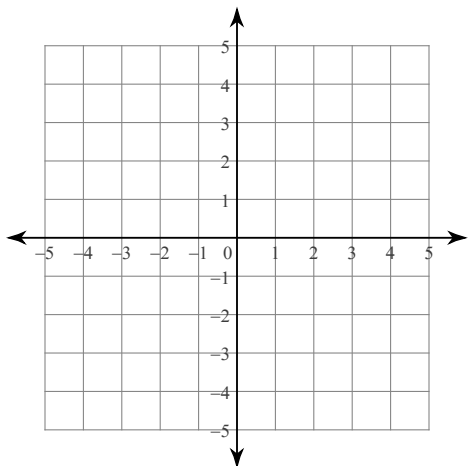
$$12) y \geq -\frac{3}{2}x + 1$$

$$y \geq -\frac{1}{2}x - 1$$



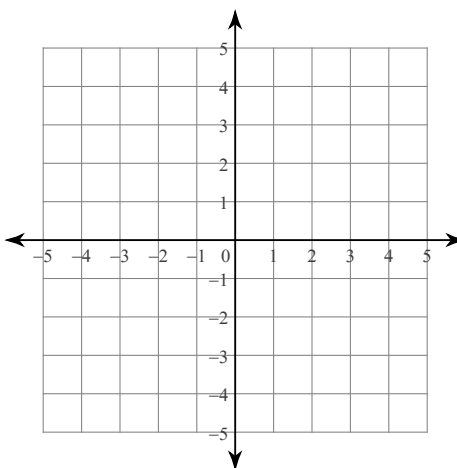
13) $y > \frac{1}{2}x + 3$

$y \leq -2x - 2$



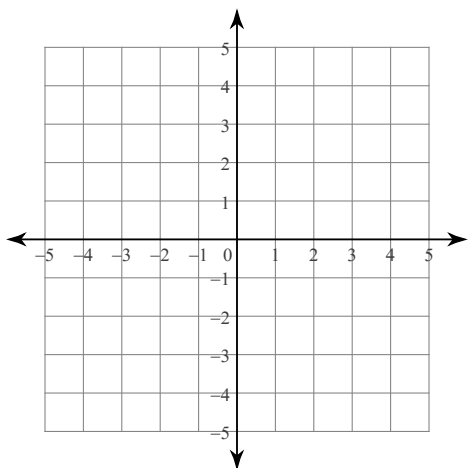
14) $y < 3x + 3$

$y > -3$



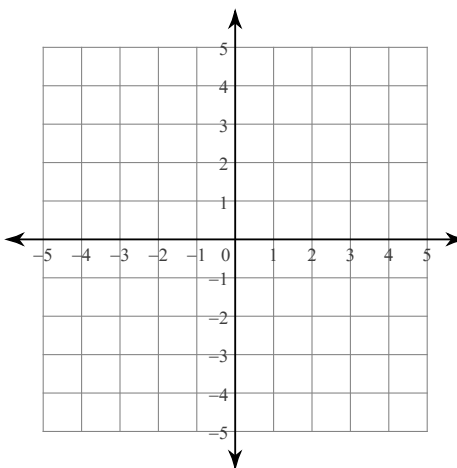
15) $y \leq \frac{1}{3}x + 2$

$y \leq \frac{5}{3}x - 2$

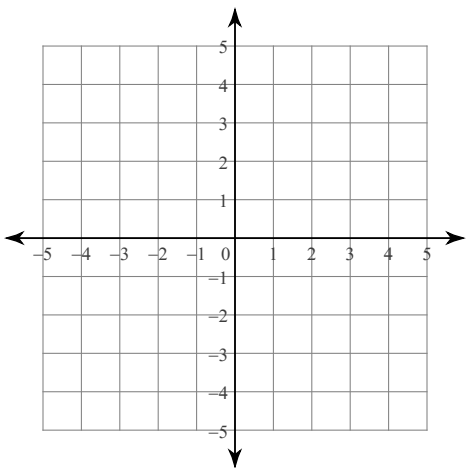


16) $y > \frac{5}{3}x + 2$

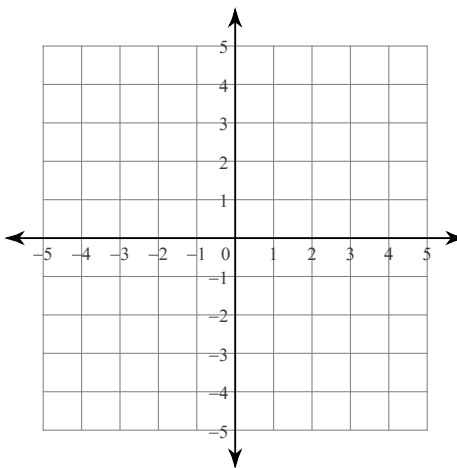
$y \leq \frac{1}{3}x - 2$



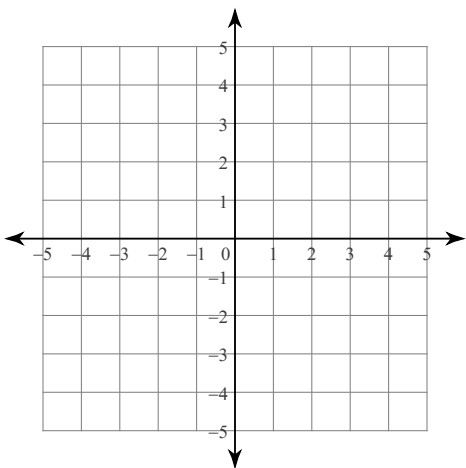
17) $y \leq -6x - 3$
 $y \geq -6x + 2$



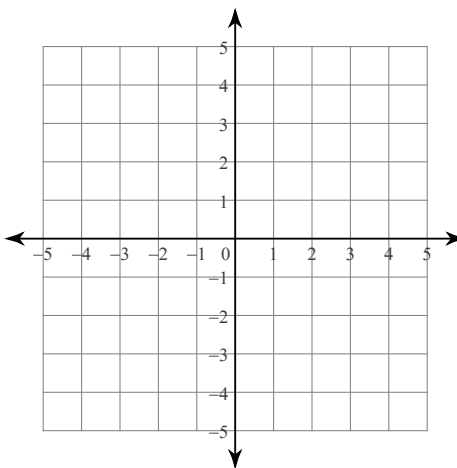
18) $y > 2x - 3$
 $y \geq -4x + 3$



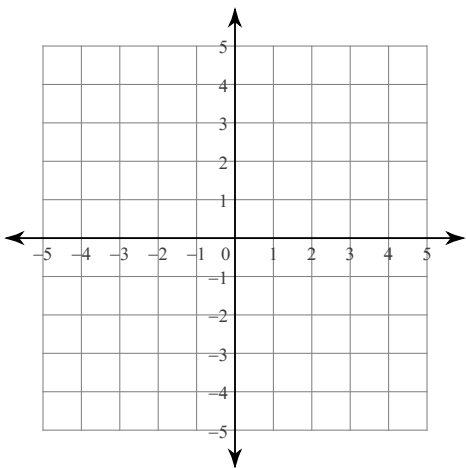
19) $y \geq -5x - 2$
 $y \geq -x + 2$



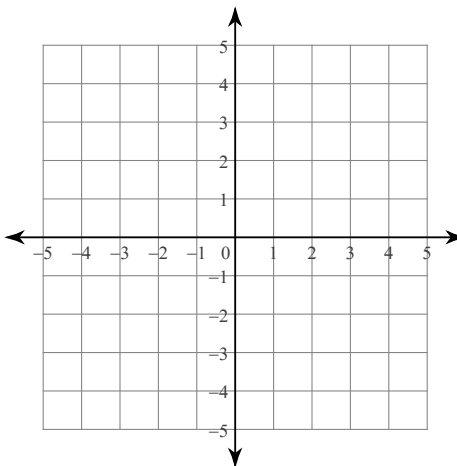
20) $y \geq -4x + 3$
 $y \leq 2x - 3$



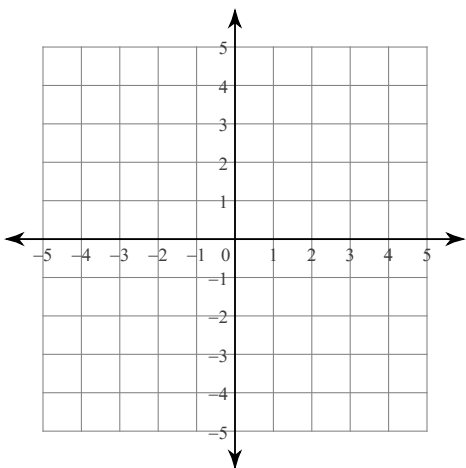
21) $y \leq -x - 1$
 $y \geq -4x + 2$



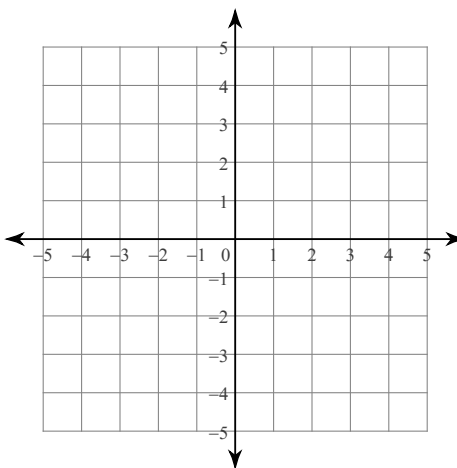
22) $y > -\frac{5}{3}x - 3$
 $y \leq -\frac{1}{3}x + 1$



23) $y \geq -\frac{2}{3}x + 3$
 $y > \frac{2}{3}x - 1$

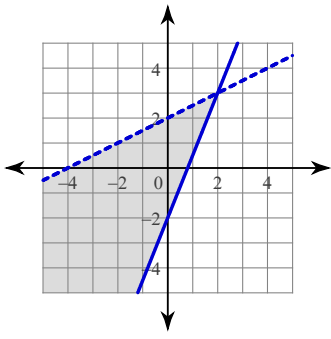


24) $y < -\frac{5}{2}x - 3$
 $y > -\frac{1}{2}x + 1$

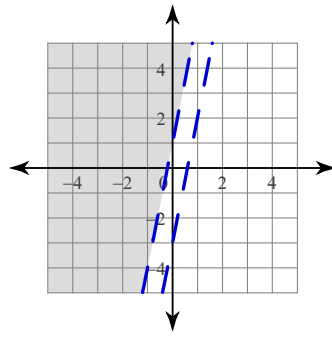


Answers to Assignment (ID: 10)

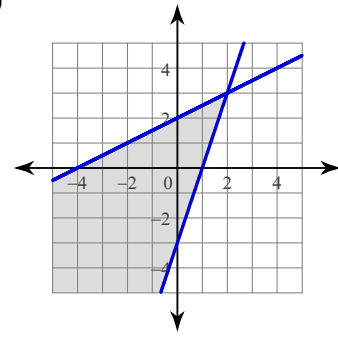
1)



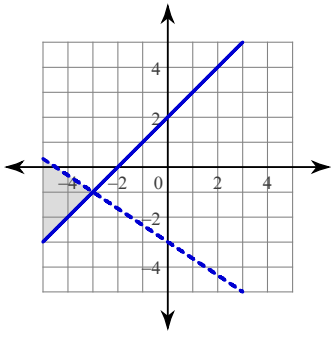
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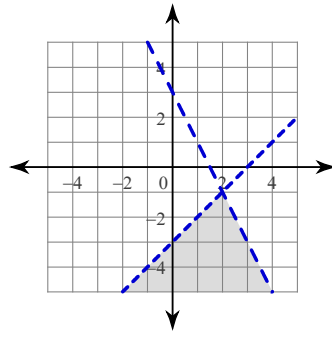
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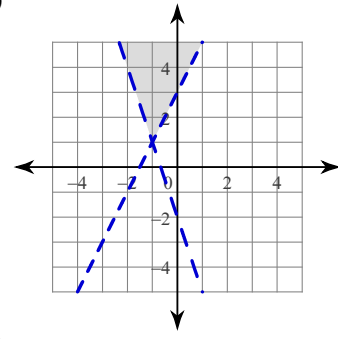
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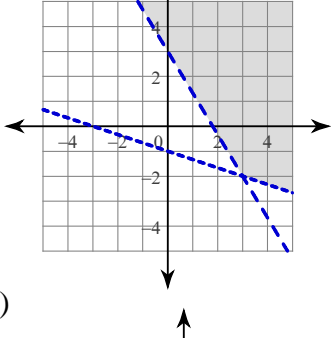
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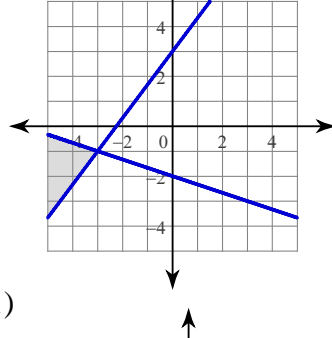
6)



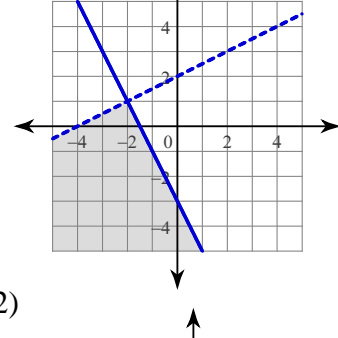
7)



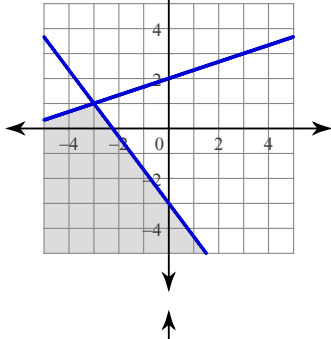
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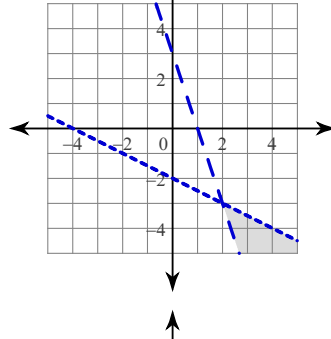
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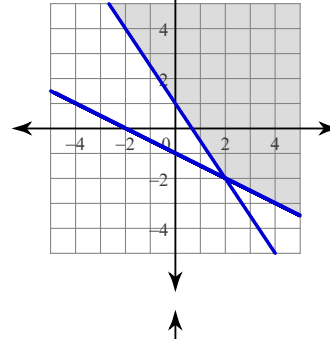
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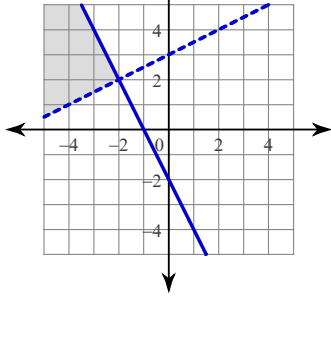
11)



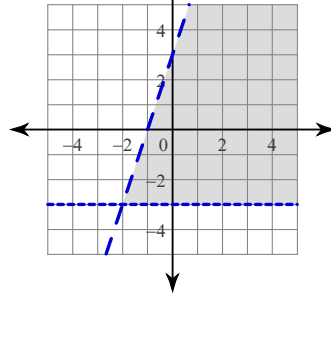
12)



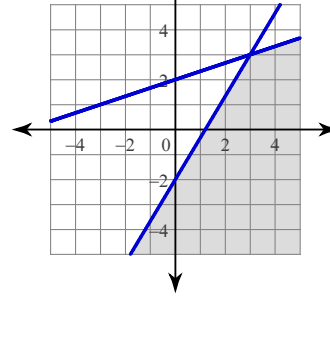
13)



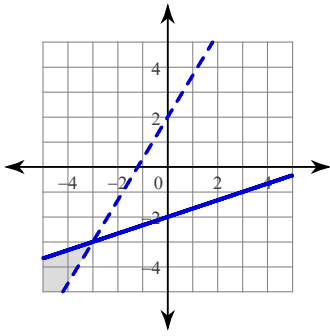
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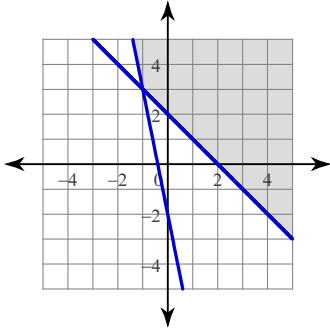
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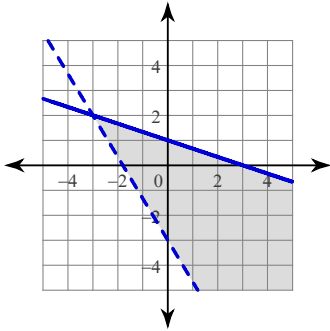
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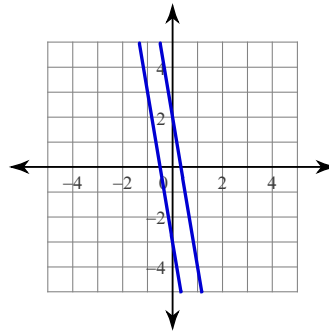
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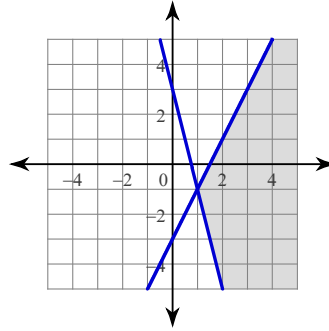
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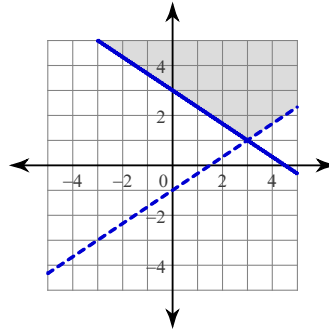
17)



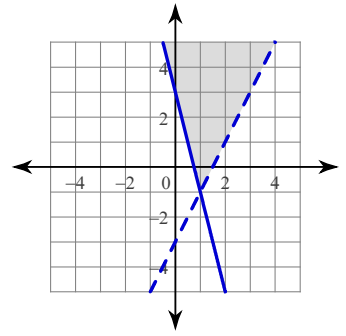
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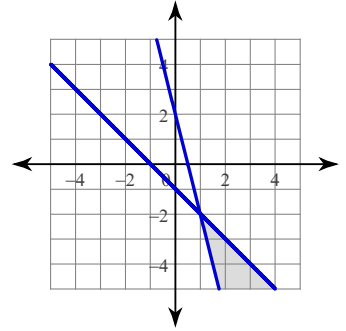
23)



18)



21)



24)

