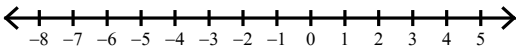


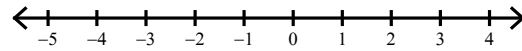
## Assignment

Solve each inequality and graph its solution.

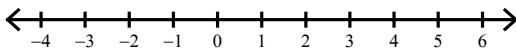
1)  $-4 + |7 - 2k| < -19$



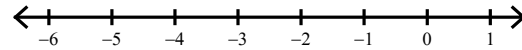
2)  $-7|n + 7| \leq 35$



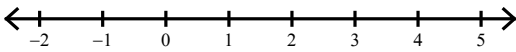
3)  $2 - |-10p - 2| < -10$



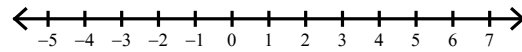
4)  $\frac{|3a + 6|}{4} < 1$



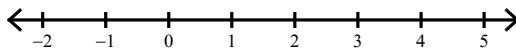
5)  $|4 - 3x| - 6 < -4$



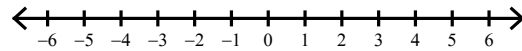
6)  $8 + |2 - 3r| \leq -14$



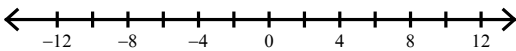
7)  $\frac{|4 - 3m|}{3} \leq 1$



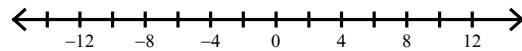
8)  $-3|8n - 3| \leq -33$



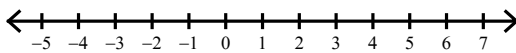
9)  $|-9x - 3| + 6 < 93$



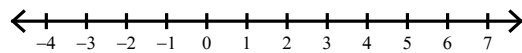
10)  $3 - |-5 - 4n| < -38$



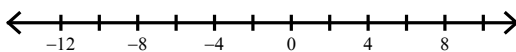
11)  $9|-9b + 9| > 81$



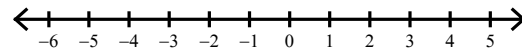
12)  $7|-6 + 9v| > 84$



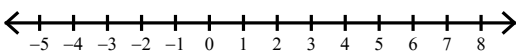
13)  $10 + |5n + 8| \leq 58$



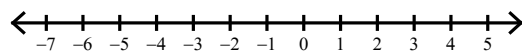
14)  $\frac{|8x + 8|}{9} > 2$



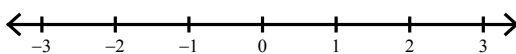
15)  $-8 - |9v + 8| \leq 29$



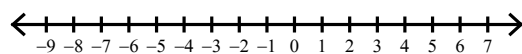
16)  $-3|4x + 7| > 27$



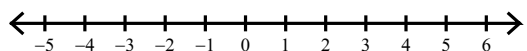
17)  $|2 + 8a| + 6 \leq 20$



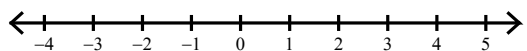
18)  $|7x + 5| + 2 \leq 46$



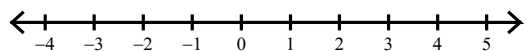
$$19) |3 + 7n| + 1 \leq 26$$



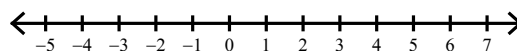
$$21) |5p - 2| - 4 \leq -16$$



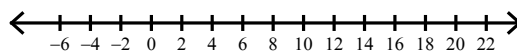
$$23) 7|9n - 2| \geq 49$$



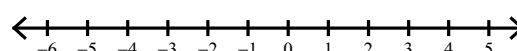
$$20) 9|2 - 2x| \leq 54$$



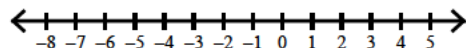
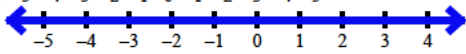
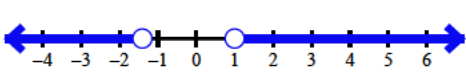
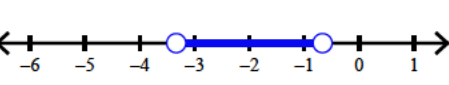
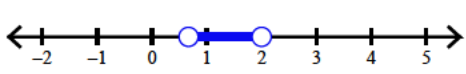
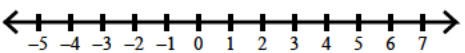
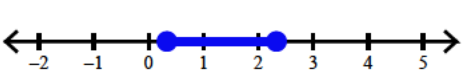
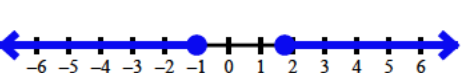
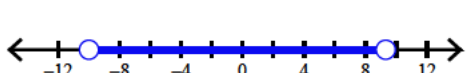
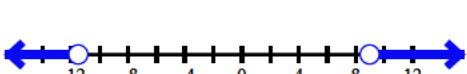
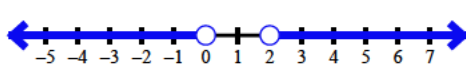
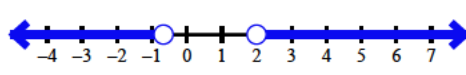
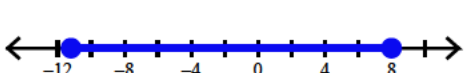
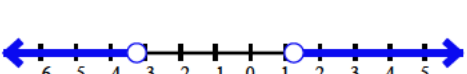
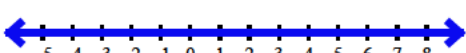
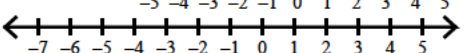
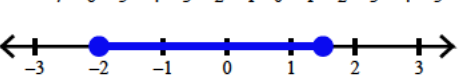
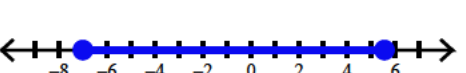
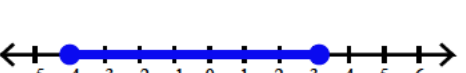
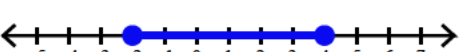
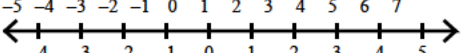
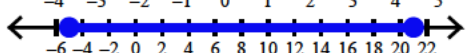
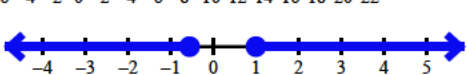
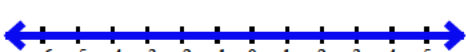
$$22) -2 + |8 - k| \leq 11$$



$$24) \frac{|5m - 3|}{5} \geq -5$$



## Answers to Assignment (ID: 1)

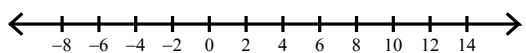
- 1) No solution. : 
- 2) { All real numbers. } : 
- 3)  $p < -\frac{7}{5}$  or  $p > 1$  : 
- 4)  $-\frac{10}{3} < a < -\frac{2}{3}$  : 
- 5)  $\frac{2}{3} < x < 2$  : 
- 6) No solution. : 
- 7)  $\frac{1}{3} \leq m \leq \frac{7}{3}$  : 
- 8)  $n \geq \frac{7}{4}$  or  $n \leq -1$  : 
- 9)  $-10 < x < \frac{28}{3}$  : 
- 10)  $n < -\frac{23}{2}$  or  $n > 9$  : 
- 11)  $b < 0$  or  $b > 2$  : 
- 12)  $v > 2$  or  $v < -\frac{2}{3}$  : 
- 13)  $-\frac{56}{5} \leq n \leq 8$  : 
- 14)  $x > \frac{5}{4}$  or  $x < -\frac{13}{4}$  : 
- 15) { All real numbers. } : 
- 16) No solution. : 
- 17)  $-2 \leq a \leq \frac{3}{2}$  : 
- 18)  $-7 \leq x \leq \frac{39}{7}$  : 
- 19)  $-4 \leq n \leq \frac{22}{7}$  : 
- 20)  $-2 \leq x \leq 4$  : 
- 21) No solution. : 
- 22)  $-5 \leq k \leq 21$  : 
- 23)  $n \geq 1$  or  $n \leq -\frac{5}{9}$  : 
- 24) { All real numbers. } : 



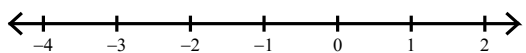
## Assignment

Solve each inequality and graph its solution.

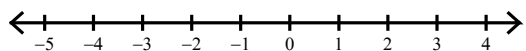
1)  $|8 - 3n| + 8 \leq 37$



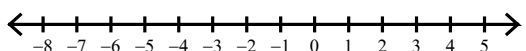
3)  $-10|5b + 9| \geq -10$



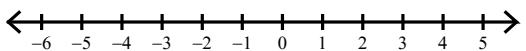
5)  $\frac{|2 + 9v|}{4} \geq 1$



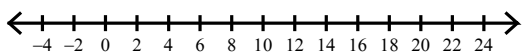
7)  $-1 + |7n + 9| \leq -20$



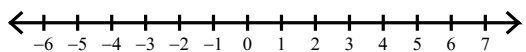
9)  $2|-8k + 8| < -80$



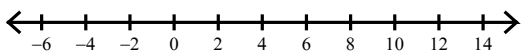
11)  $8 - |10 - m| > -3$



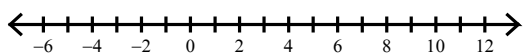
13)  $|2n - 1| + 3 > 0$



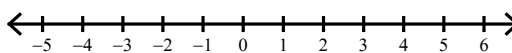
15)  $-10|6 - 2x| < -120$



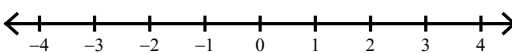
17)  $-6 + |5 - 2b| > 5$



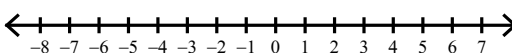
2)  $|9r - 3| + 10 \leq 43$



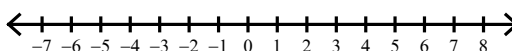
4)  $|-9x - 3| - 8 \leq -11$



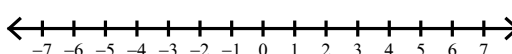
6)  $|10x + 9| - 7 \leq 54$



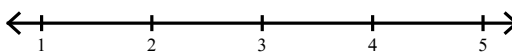
8)  $3|-4 + 8p| \geq 108$



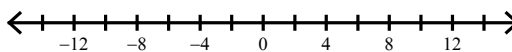
10)  $\frac{|-x + 8|}{5} < -1$



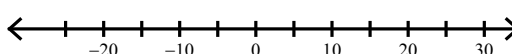
12)  $|-3a + 8| + 4 \leq 5$



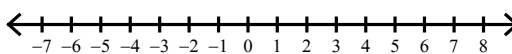
14)  $|7r - 1| - 6 > 65$



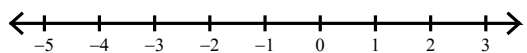
16)  $\frac{|n - 2|}{9} < 3$



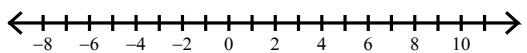
18)  $-6|10 - 3n| \leq 84$



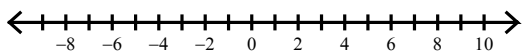
$$19) -5|7a + 10| > -90$$



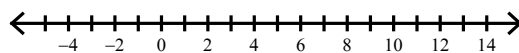
$$21) |3x - 3| + 3 > 21$$



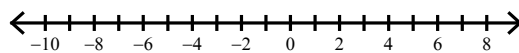
$$23) |-7x + 9| - 1 > 36$$



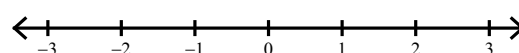
$$20) |8 - 2v| - 9 > 1$$



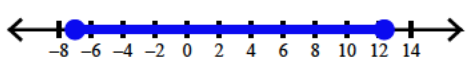
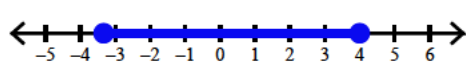
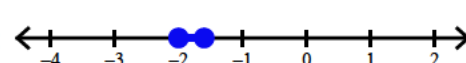
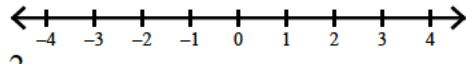
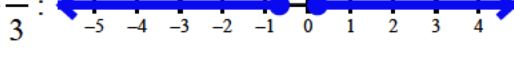
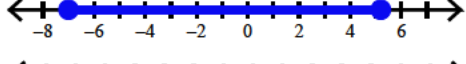
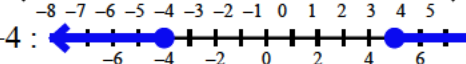
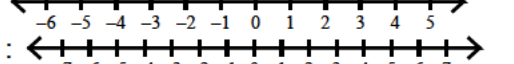
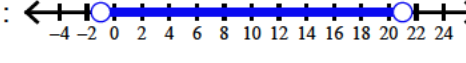

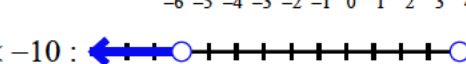
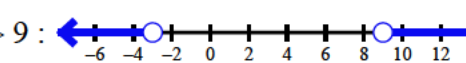
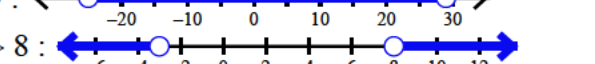
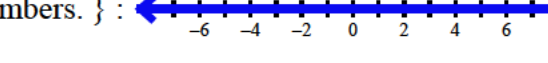
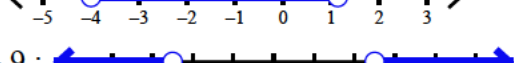
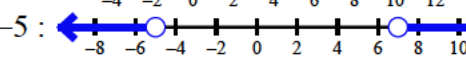
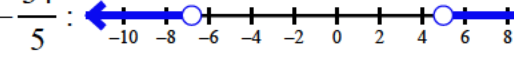
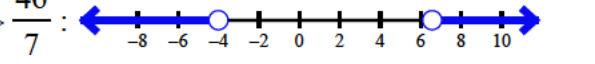
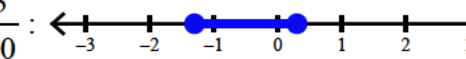





$$22) 3 + |10x + 9| > 62$$



$$24) \frac{|5 + 10v|}{2} \leq 4$$



## Answers to Assignment (ID: 2)

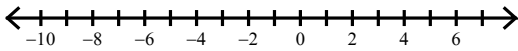
- 1)  $-7 \leq n \leq \frac{37}{3}$  : 
- 2)  $-\frac{10}{3} \leq r \leq 4$  : 
- 3)  $-2 \leq b \leq -\frac{8}{5}$  : 
- 4) No solution. : 
- 5)  $v \geq \frac{2}{9}$  or  $v \leq -\frac{2}{3}$  : 
- 6)  $-7 \leq x \leq \frac{26}{5}$  : 
- 7) No solution. : 
- 8)  $p \geq 5$  or  $p \leq -4$  : 
- 9) No solution. : 
- 10) No solution. : 
- 11)  $-1 < m < 21$  : 
- 12)  $\frac{7}{3} \leq a \leq 3$  : 
- 13) { All real numbers. } : 
- 14)  $r > \frac{72}{7}$  or  $r < -10$  : 
- 15)  $x < -3$  or  $x > 9$  : 
- 16)  $-25 < n < 29$  : 
- 17)  $b < -3$  or  $b > 8$  : 
- 18) { All real numbers. } : 
- 19)  $-4 < a < \frac{8}{7}$  : 
- 20)  $v < -1$  or  $v > 9$  : 
- 21)  $x > 7$  or  $x < -5$  : 
- 22)  $x > 5$  or  $x < -\frac{34}{5}$  : 
- 23)  $x < -4$  or  $x > \frac{46}{7}$  : 
- 24)  $-\frac{13}{10} \leq v \leq \frac{3}{10}$  : 



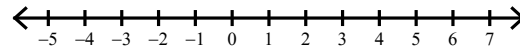
## Assignment

Solve each inequality and graph its solution.

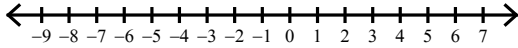
1)  $|9 + 9n| - 6 > 39$



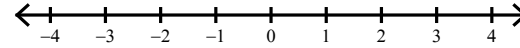
2)  $4|-8k + 8| \leq 96$



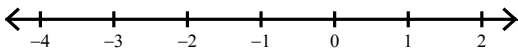
3)  $\frac{|7x + 8|}{7} > 5$



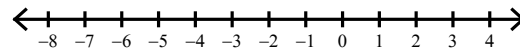
4)  $\frac{|7 + p|}{10} > -5$



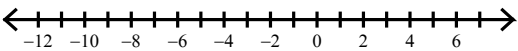
5)  $-6|5 + 10n| > -30$



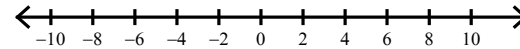
6)  $|-2 - m| - 10 > -11$



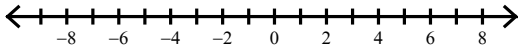
7)  $-7|-3 - x| > -49$



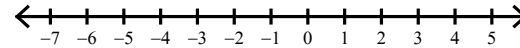
8)  $\frac{|n - 1|}{2} > 3$



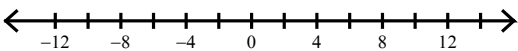
9)  $-5|2r - 1| > -65$



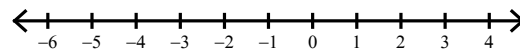
10)  $4|1 + 10n| > 76$



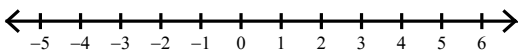
11)  $|5x - 2| + 1 \geq 48$



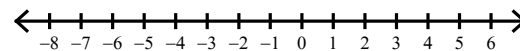
12)  $|8v - 2| - 1 \geq -75$



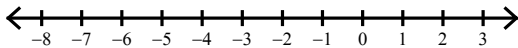
13)  $|10p + 10| + 5 \geq -45$



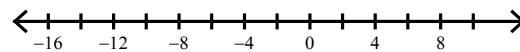
14)  $-9 + |6b + 4| \leq 19$



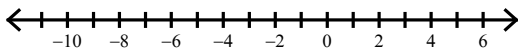
15)  $\frac{|3a + 10|}{2} \geq 3$



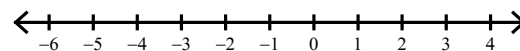
16)  $|6x + 9| + 10 \geq 67$



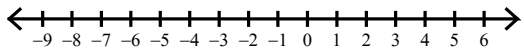
17)  $\frac{|6k + 10|}{8} \geq 4$



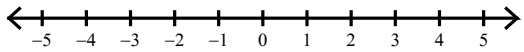
18)  $-7|5m + 9| \geq 42$



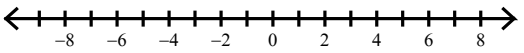
$$19) \frac{|2 + 9r|}{9} \geq 4$$



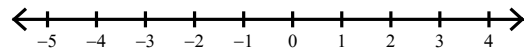
$$21) 8|8 + 9n| \geq 8$$



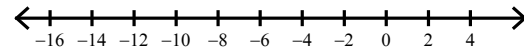
$$23) -3|-6v - 5| \leq -69$$



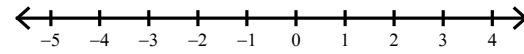
$$20) |-9 + 8x| - 4 \geq -93$$



$$22) 8|-2b - 10| \geq 112$$

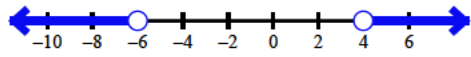
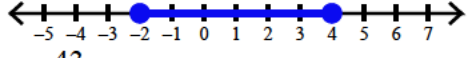
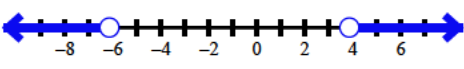
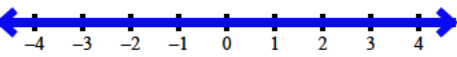
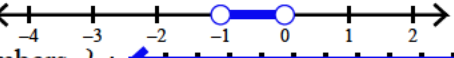
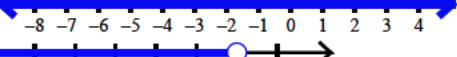
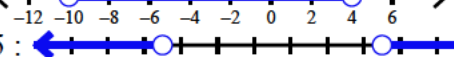
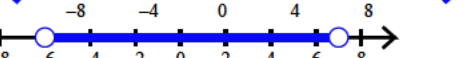
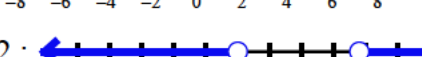
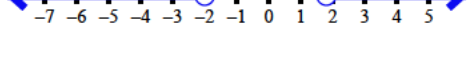
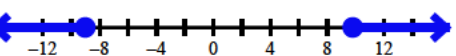
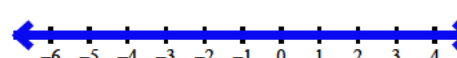
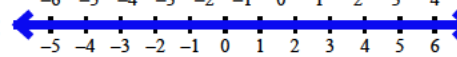
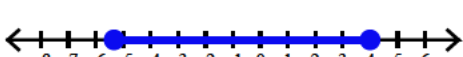
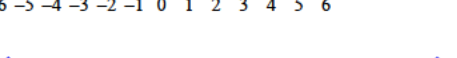
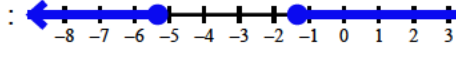
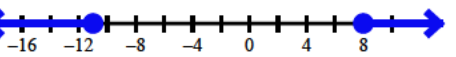
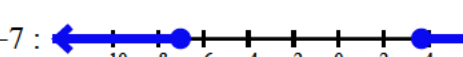
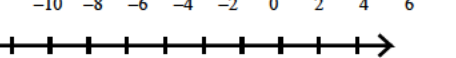
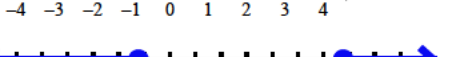
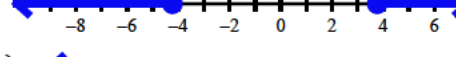
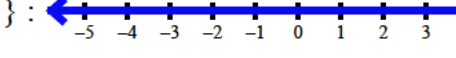
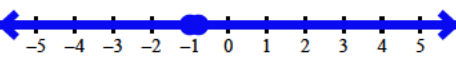
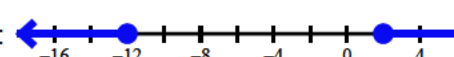


$$24) \frac{|-6n + 7|}{3} \geq 1$$





## Answers to Assignment (ID: 3)

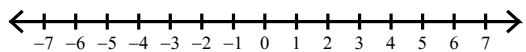
- 1)  $n > 4$  or  $n < -6$  : 
- 2)  $-2 \leq k \leq 4$  : 
- 3)  $x > \frac{27}{7}$  or  $x < -\frac{43}{7}$  : 
- 4) { All real numbers. } : 
- 5)  $-1 < n < 0$  : 
- 6) { All real numbers. } : 
- 7)  $-10 < x < 4$  : 
- 8)  $n > 7$  or  $n < -5$  : 
- 9)  $-6 < r < 7$  : 
- 10)  $n > \frac{9}{5}$  or  $n < -2$  : 
- 11)  $x \geq \frac{49}{5}$  or  $x \leq -9$  : 
- 12) { All real numbers. } : 
- 13) { All real numbers. } : 
- 14)  $-\frac{16}{3} \leq b \leq 4$  : 
- 15)  $a \geq -\frac{4}{3}$  or  $a \leq -\frac{16}{3}$  : 
- 16)  $x \geq 8$  or  $x \leq -11$  : 
- 17)  $k \geq \frac{11}{3}$  or  $k \leq -7$  : 
- 18) No solution. : 
- 19)  $r \geq \frac{34}{9}$  or  $r \leq -\frac{38}{9}$  : 
- 20) { All real numbers. } : 
- 21)  $n \geq -\frac{7}{9}$  or  $n \leq -1$  : 
- 22)  $b \leq -12$  or  $b \geq 2$  : 
- 23)  $v \leq -\frac{14}{3}$  or  $v \geq 3$  : 
- 24)  $n \leq \frac{2}{3}$  or  $n \geq \frac{5}{3}$  : 



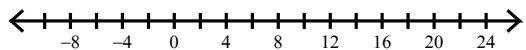
## Assignment

Solve each inequality and graph its solution.

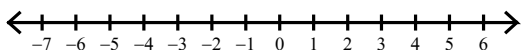
1)  $\frac{|5n - 1|}{10} \geq -1$



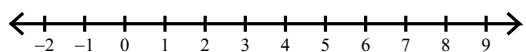
3)  $\frac{|8 - x|}{3} < 5$



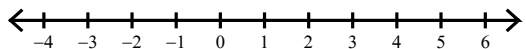
5)  $3 - |10 - 2k| \geq 7$



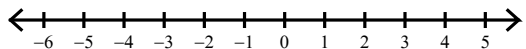
7)  $\frac{|3n - 10|}{9} < 1$



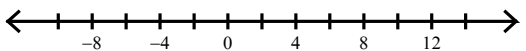
9)  $-3|10 + 10n| < 60$



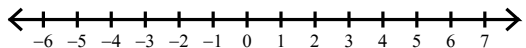
11)  $|6 + 10p| + 6 < 32$



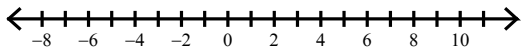
13)  $-2 + |-9x + 9| < 97$



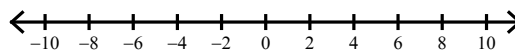
15)  $|-6n + 4| + 6 < 28$



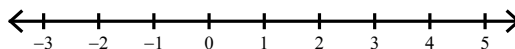
17)  $10 + |7x - 1| < 65$



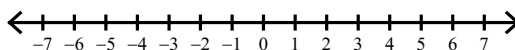
2)  $|2a - 1| + 6 \geq 19$



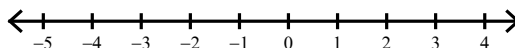
4)  $9|3x - 2| < 63$



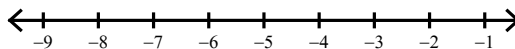
6)  $6|-1 - 10x| < -6$



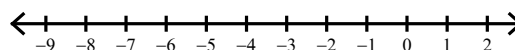
8)  $10 + |6 + 10k| < 46$



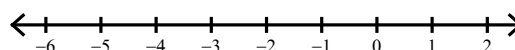
10)  $|2x + 10| + 8 < 14$



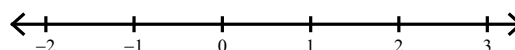
12)  $\frac{|4m + 9|}{5} \leq 3$



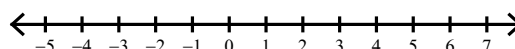
14)  $\frac{|8 + 9r|}{4} < 5$



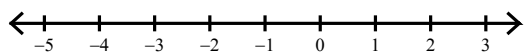
16)  $\frac{|6 + 8b|}{2} < 3$



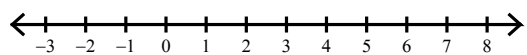
18)  $\frac{|2v - 8|}{3} < -4$



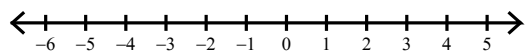
$$19) \quad |-4a - 1| + 8 < 15$$



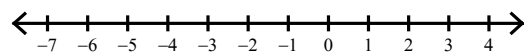
$$21) \quad \frac{|10 - 4x|}{7} < 2$$



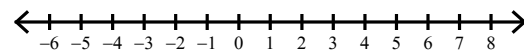
$$23) \quad \frac{|-1 - 10x|}{4} > 5$$



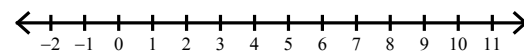
$$20) \quad |-k + 9| - 9 \leq -11$$



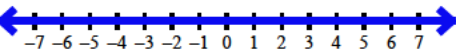
$$22) \quad -10|-5p - 1| > 60$$

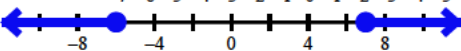


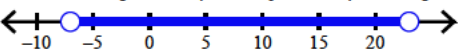
$$24) \quad \frac{|2n - 10|}{7} > 1$$

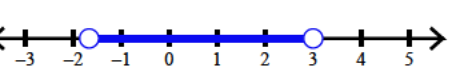


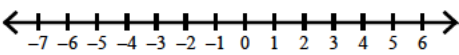
## Answers to Assignment (ID: 4)

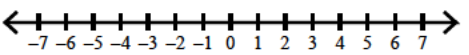
1) { All real numbers. } : 

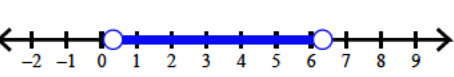
2)  $a \geq 7$  or  $a \leq -6$  : 

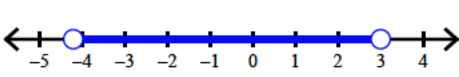
3)  $-7 < x < 23$  : 

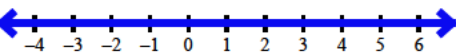
4)  $-\frac{5}{3} < x < 3$  : 

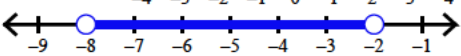
5) No solution. : 

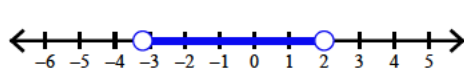
6) No solution. : 

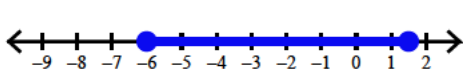
7)  $\frac{1}{3} < n < \frac{19}{3}$  : 

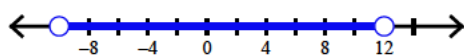
8)  $-\frac{21}{5} < k < 3$  : 

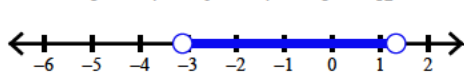
9) { All real numbers. } : 

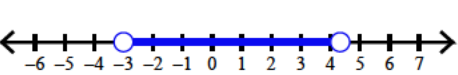
10)  $-8 < x < -2$  : 

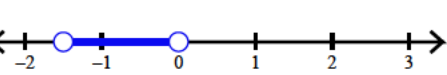
11)  $-\frac{16}{5} < p < 2$  : 

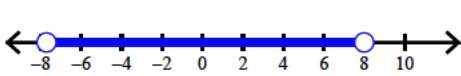
12)  $-6 \leq m \leq \frac{3}{2}$  : 

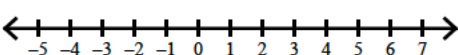
13)  $-10 < x < 12$  : 

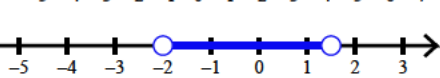
14)  $-\frac{28}{9} < r < \frac{4}{3}$  : 

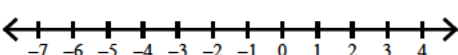
15)  $-3 < n < \frac{13}{3}$  : 

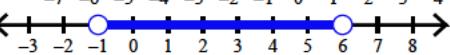
16)  $-\frac{3}{2} < b < 0$  : 

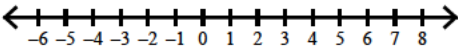
17)  $-\frac{54}{7} < x < 8$  : 

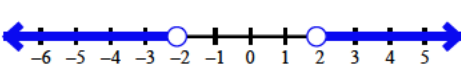
18) No solution. : 

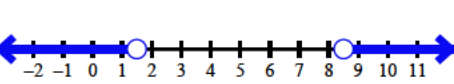
19)  $-2 < a < \frac{3}{2}$  : 

20) No solution. : 

21)  $-1 < x < 6$  : 

22) No solution. : 

23)  $x < -\frac{21}{10}$  or  $x > \frac{19}{10}$  : 

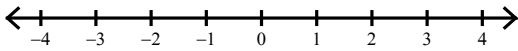
24)  $n > \frac{17}{2}$  or  $n < \frac{3}{2}$  : 



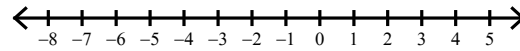
## Assignment

Solve each inequality and graph its solution.

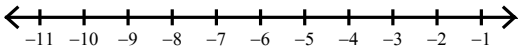
1)  $10|1 + 10n| \leq -90$



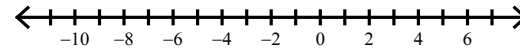
2)  $2|4x + 10| > -36$



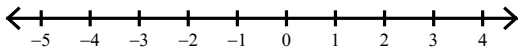
3)  $8 + |m + 6| \leq 12$



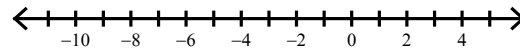
4)  $|8r + 10| + 4 < 62$



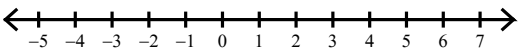
5)  $\frac{|4b + 10|}{5} > -5$



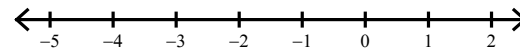
6)  $8 + |3 + x| \leq 14$



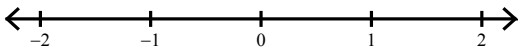
7)  $|8 + 9v| + 3 \leq -88$



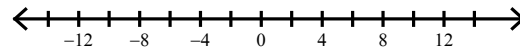
8)  $10 + |6n + 8| < 26$



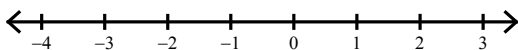
9)  $-10|8a + 1| \geq -10$



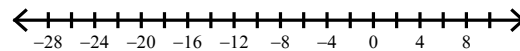
10)  $5 + |4k - 4| \geq 49$



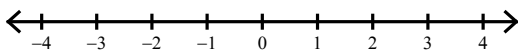
11)  $\frac{|-4n + 2|}{7} \leq 1$



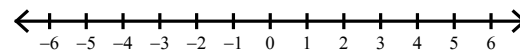
12)  $|10 + x| + 10 \leq 27$



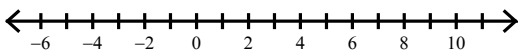
13)  $\frac{|-8x - 3|}{6} \leq 4$



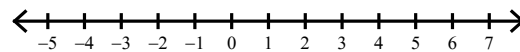
14)  $-4|9p - 10| \leq -76$



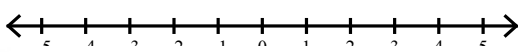
15)  $3 + |5n - 10| \leq 38$



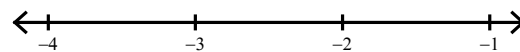
16)  $-6|-9 - k| \geq 24$



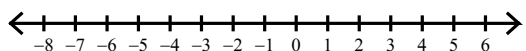
17)  $\frac{|8 - 9x|}{2} \geq 5$



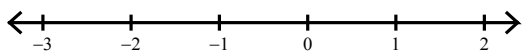
18)  $4|-3x - 10| < 4$



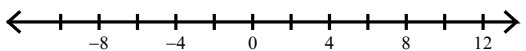
$$19) |1 - 10r| - 6 \leq -75$$



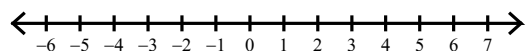
$$21) |2 - 10m| + 1 \leq 13$$



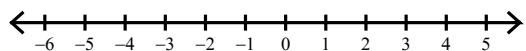
$$23) 10 - |5x + 2| \leq -27$$



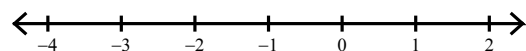
$$20) -8 + |10 - 5n| > -28$$



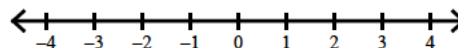
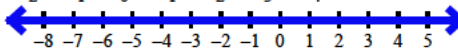
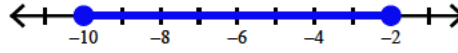
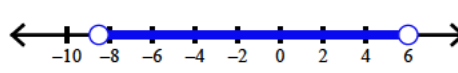
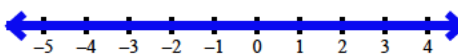
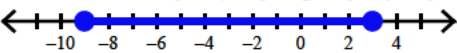
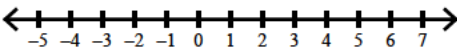
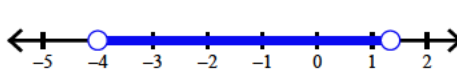
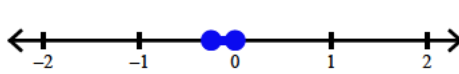
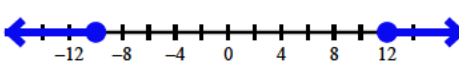
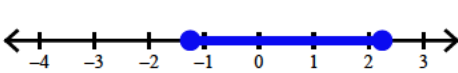
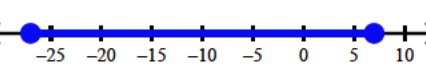
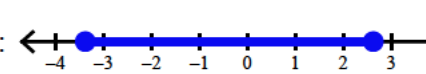
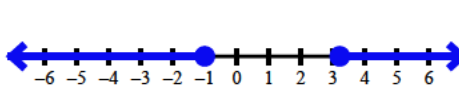
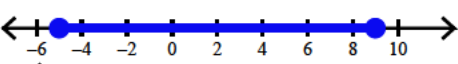
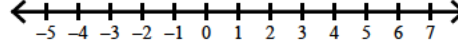
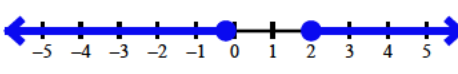
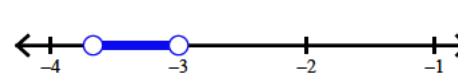
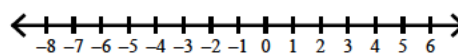
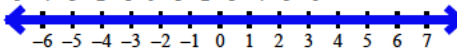
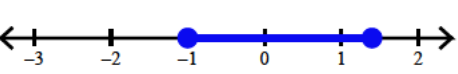
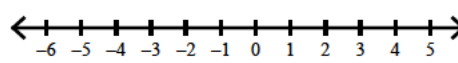
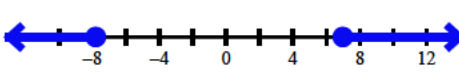
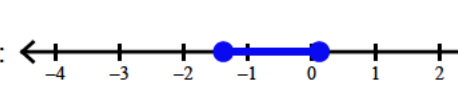
$$22) |9 + 10v| - 8 \leq -29$$



$$24) \frac{|8b + 5|}{2} \leq 3$$



## Answers to Assignment (ID: 5)

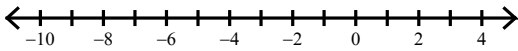
- 1) No solution. : 
- 2) { All real numbers. } : 
- 3)  $-10 \leq m \leq -2$  : 
- 4)  $-\frac{17}{2} < r < 6$  : 
- 5) { All real numbers. } : 
- 6)  $-9 \leq x \leq 3$  : 
- 7) No solution. : 
- 8)  $-4 < n < \frac{4}{3}$  : 
- 9)  $-\frac{1}{4} \leq a \leq 0$  : 
- 10)  $k \geq 12$  or  $k \leq -10$  : 
- 11)  $-\frac{5}{4} \leq n \leq \frac{9}{4}$  : 
- 12)  $-27 \leq x \leq 7$  : 
- 13)  $-\frac{27}{8} \leq x \leq \frac{21}{8}$  : 
- 14)  $p \geq \frac{29}{9}$  or  $p \leq -1$  : 
- 15)  $-5 \leq n \leq 9$  : 
- 16) No solution. : 
- 17)  $x \leq -\frac{2}{9}$  or  $x \geq 2$  : 
- 18)  $-\frac{11}{3} < x < -3$  : 
- 19) No solution. : 
- 20) { All real numbers. } : 
- 21)  $-1 \leq m \leq \frac{7}{5}$  : 
- 22) No solution. : 
- 23)  $x \geq 7$  or  $x \leq -\frac{39}{5}$  : 
- 24)  $-\frac{11}{8} \leq b \leq \frac{1}{8}$  : 



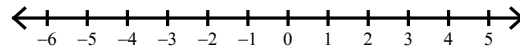
## Assignment

Solve each inequality and graph its solution.

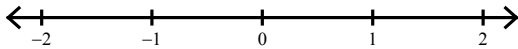
1)  $-8|2 + a| < -24$



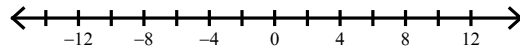
2)  $-8 - |9p - 3| > -47$



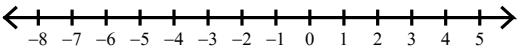
3)  $\frac{|6k + 1|}{2} < 1$



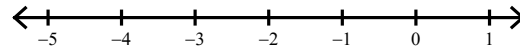
4)  $-5|2x + 1| < -95$



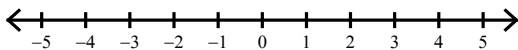
5)  $|-8x + 2| + 5 \leq -17$



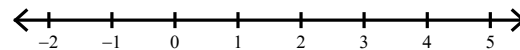
6)  $10 + |9 + 6n| < 19$



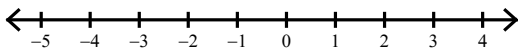
7)  $\frac{|5 - 10m|}{6} > 3$



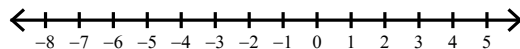
8)  $\frac{|10 - 9x|}{8} \leq 3$



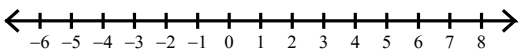
9)  $\frac{|2r - 9|}{2} \leq -2$



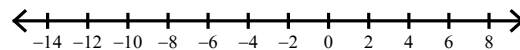
10)  $|-7v - 10| - 8 > -67$



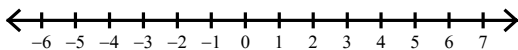
11)  $5 + |-6n - 9| > -52$



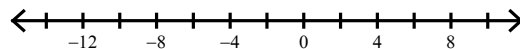
12)  $|-3b - 9| + 10 > 31$



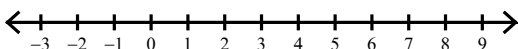
13)  $\frac{|5 - 10n|}{9} \leq 5$



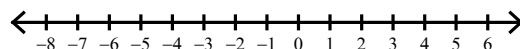
14)  $|3x + 2| + 9 > 34$



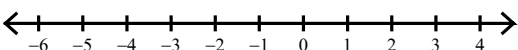
15)  $|3a - 10| + 9 > 13$



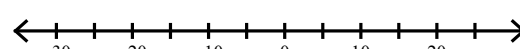
16)  $-7|9x - 10| \leq 7$



17)  $-6 + |10k + 10| > 4$

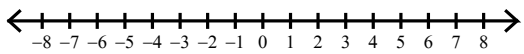


18)  $\frac{|2 + n|}{5} > 5$

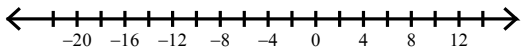




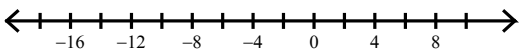
$$19) \frac{|6m + 1|}{10} > -4$$



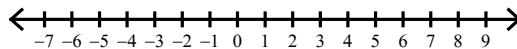
$$21) -2 + |5 + p| > 13$$



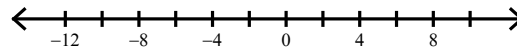
$$23) |3 + x| - 3 > 8$$



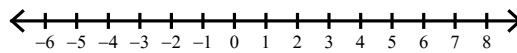
$$20) -3|-2x + 2| > -30$$



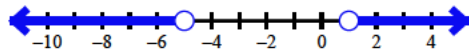
$$22) |10n + 3| + 8 \leq 111$$

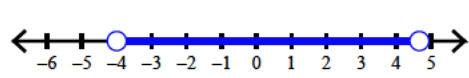


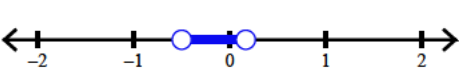
$$24) -3 + |7 + 7m| < -24$$

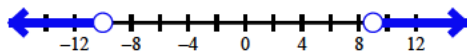


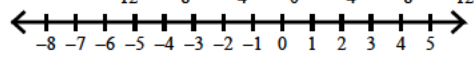
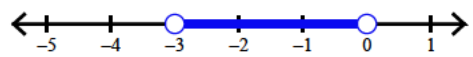
## Answers to Assignment (ID: 6)

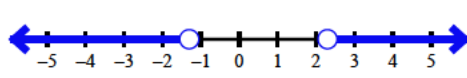
1)  $a > 1$  or  $a < -5$  : 

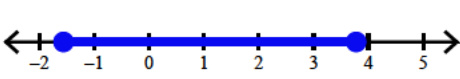
2)  $-4 < p < \frac{14}{3}$  : 

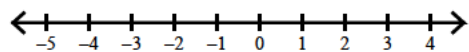
3)  $-\frac{1}{2} < k < \frac{1}{6}$  : 

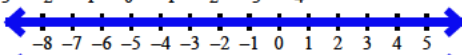
4)  $x > 9$  or  $x < -10$  : 

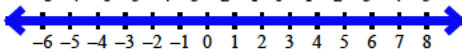
5) No solution. :  6)  $-3 < n < 0$  : 

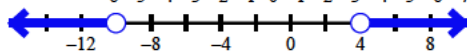
7)  $m < -\frac{13}{10}$  or  $m > \frac{23}{10}$  : 

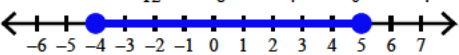
8)  $-\frac{14}{9} \leq x \leq \frac{34}{9}$  : 

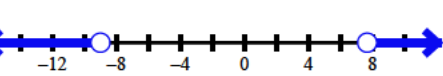
9) No solution. : 

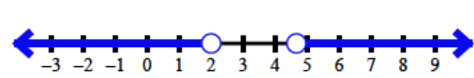
10) { All real numbers. } : 

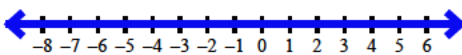
11) { All real numbers. } : 

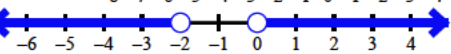
12)  $b < -10$  or  $b > 4$  : 

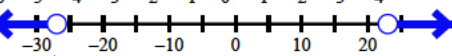
13)  $-4 \leq n \leq 5$  : 


14)  $x > \frac{23}{3}$  or  $x < -9$  : 

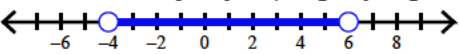
15)  $a > \frac{14}{3}$  or  $a < 2$  : 

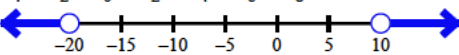
16) { All real numbers. } : 

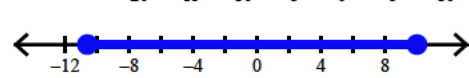
17)  $k > 0$  or  $k < -2$  : 

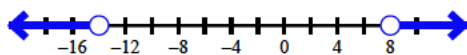
18)  $n > 23$  or  $n < -27$  : 

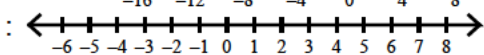
19) { All real numbers. } : 

20)  $-4 < x < 6$  : 

21)  $p > 10$  or  $p < -20$  : 

22)  $-\frac{53}{5} \leq n \leq 10$  : 

23)  $x > 8$  or  $x < -14$  : 

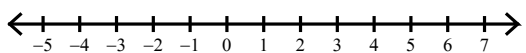
24) No solution. : 



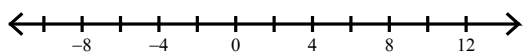
## Assignment

Solve each inequality and graph its solution.

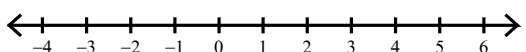
1)  $7 + |-6n - 9| \geq -50$



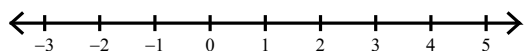
3)  $|6b - 9| + 8 \geq 47$



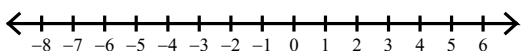
5)  $10|3 - 9v| \geq 60$



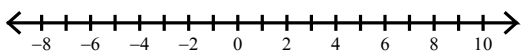
7)  $\frac{|10x - 10|}{5} \geq 2$



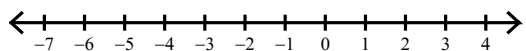
9)  $4|-2x + 2| \geq -48$



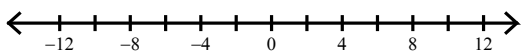
11)  $|-1 + 3k| + 4 \geq 18$



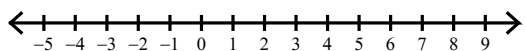
13)  $|8 + r| + 8 \geq 7$



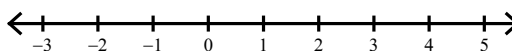
15)  $|5x + 1| - 5 \geq 34$



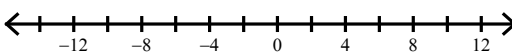
17)  $|2n - 4| + 1 \leq 11$



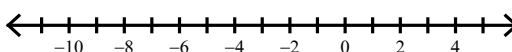
2)  $\frac{|8r - 8|}{4} > 2$



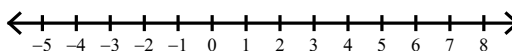
4)  $|-10 - 8x| + 10 \geq 76$



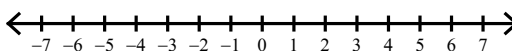
6)  $|-4a - 10| - 2 \geq 12$



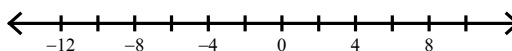
8)  $\frac{|8 - 10x|}{7} \geq -5$



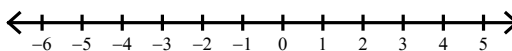
10)  $|-5p + 2| - 1 \geq 12$



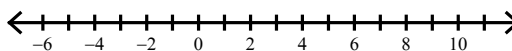
12)  $\frac{|3 + 2n|}{5} \geq 3$



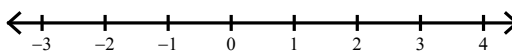
14)  $-10|8 + n| < 20$



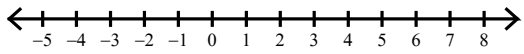
16)  $\frac{|3m - 6|}{4} \leq 5$



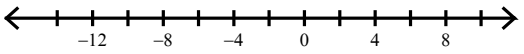
18)  $|8a - 9| + 6 < 15$



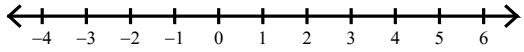
$$19) \frac{|7v - 8|}{7} < 5$$



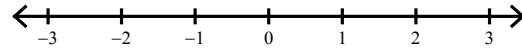
$$21) |-10 - 8x| - 9 \geq 61$$



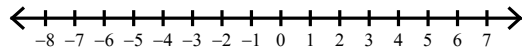
$$23) \frac{|9x - 9|}{3} < -5$$



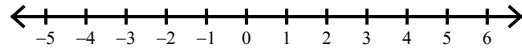
$$20) |4 + 4b| - 1 \leq 3$$



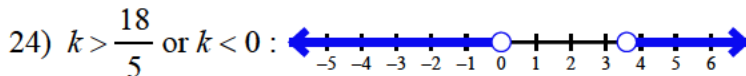
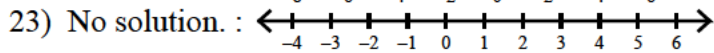
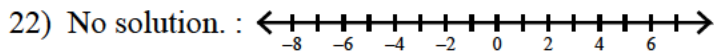
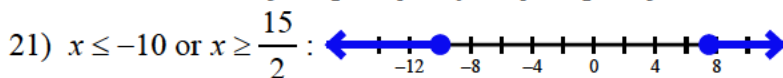
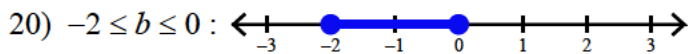
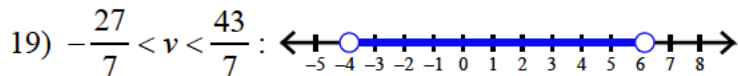
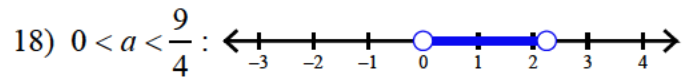
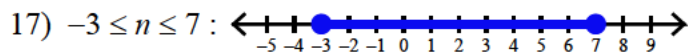
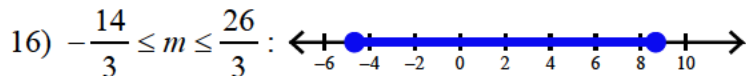
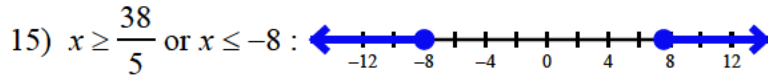
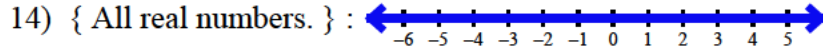
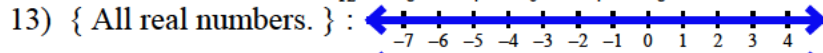
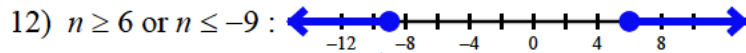
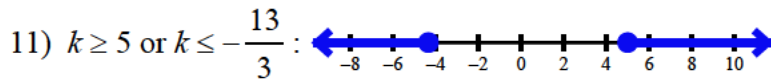
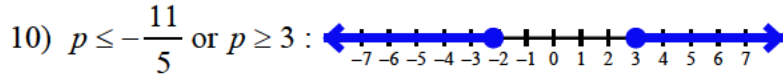
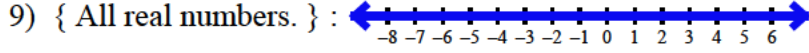
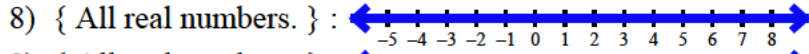
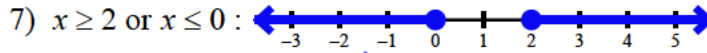
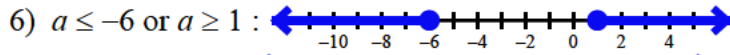
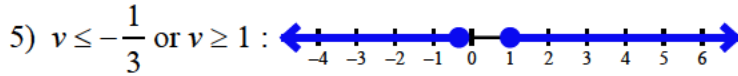
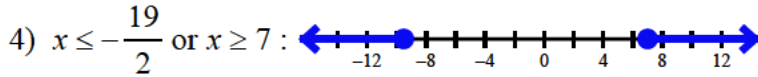
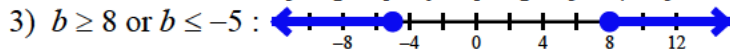
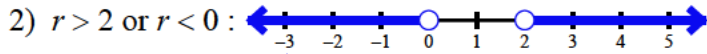
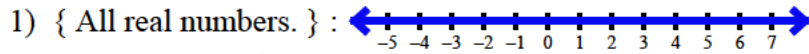
$$22) 3 + |-8 - 9x| < -14$$



$$24) -10|5k - 9| < -90$$



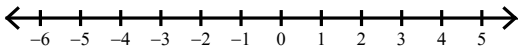
# Answers to Assignment (ID: 7)



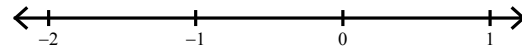
## Assignment

Solve each inequality and graph its solution.

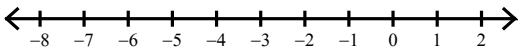
1)  $|p - 1| - 2 \leq -11$



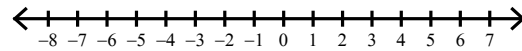
2)  $9|8x + 3| \leq 27$



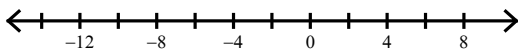
3)  $-8 + |-5n - 10| < 7$



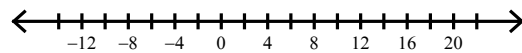
4)  $6 - |-9m + 3| < -24$



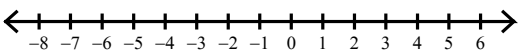
5)  $\frac{|6 + 2n|}{7} \leq 3$



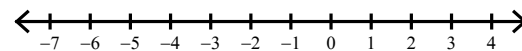
6)  $-6 - |-4 + x| < -20$



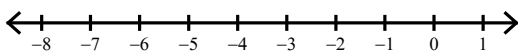
7)  $-9 + |2m + 2| < -1$



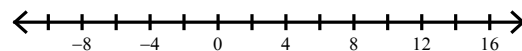
8)  $|1 + 2r| - 10 < -25$



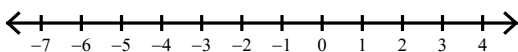
9)  $\frac{|n + 4|}{2} < 1$



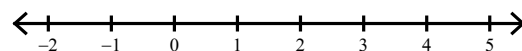
10)  $|2x - 8| + 2 < 24$



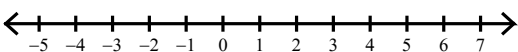
11)  $\frac{|3b - 7|}{2} \leq -4$



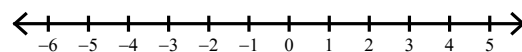
12)  $1 + |6 - 8x| < 19$



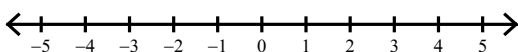
13)  $|8v - 7| - 5 < 20$



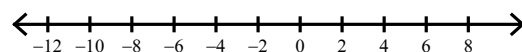
14)  $-7|5 - 8k| < 77$



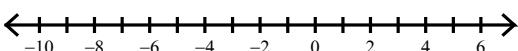
15)  $4|10a - 8| > 8$



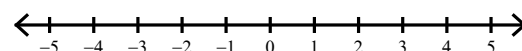
16)  $|-9 - 9x| + 5 \leq 77$



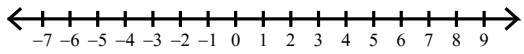
17)  $8 - |6 + 3m| \leq -1$



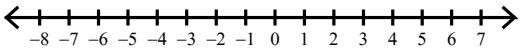
18)  $|9n - 9| - 10 \leq -37$



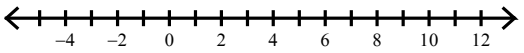
$$19) \frac{|9p - 9|}{7} > 5$$



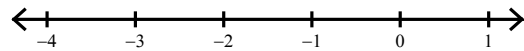
$$21) -3|9x + 8| \leq -78$$



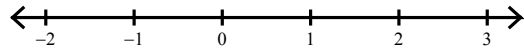
$$23) |-7 + 2v| + 1 \leq 12$$



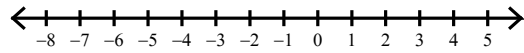
$$20) -8|2 + 3r| > -32$$



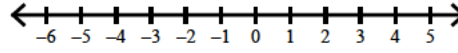

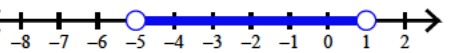
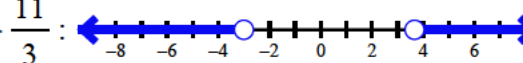
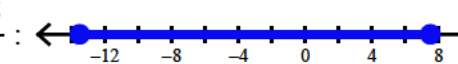
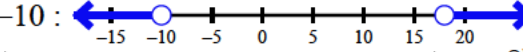
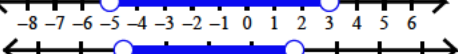
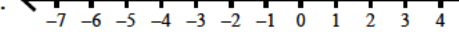
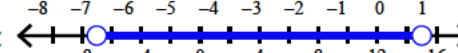
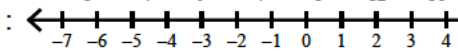
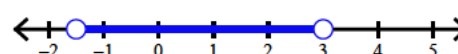

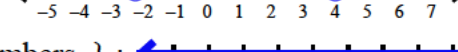
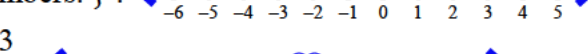
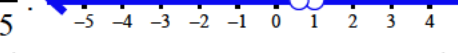

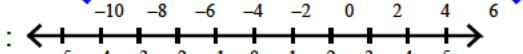

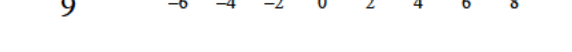

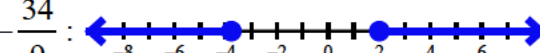


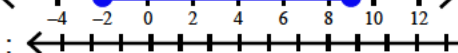
$$22) -7 + |-3b + 2| \leq -2$$



$$24) |-7 + 3n| - 4 \leq -20$$



## Answers to Assignment (ID: 8)

- 1) No solution. : 
- 2)  $-\frac{3}{4} \leq x \leq 0$  : 
- 3)  $-5 < n < 1$  : 
- 4)  $m < -3$  or  $m > \frac{11}{3}$  : 
- 5)  $-\frac{27}{2} \leq n \leq \frac{15}{2}$  : 
- 6)  $x > 18$  or  $x < -10$  : 
- 7)  $-5 < m < 3$  : 
- 8) No solution. : 
- 9)  $-6 < n < -2$  : 
- 10)  $-7 < x < 15$  : 
- 11) No solution. : 
- 12)  $-\frac{3}{2} < x < 3$  : 
- 13)  $-\frac{9}{4} < v < 4$  : 
- 14) { All real numbers. } : 
- 15)  $a > 1$  or  $a < \frac{3}{5}$  : 
- 16)  $-9 \leq x \leq 7$  : 
- 17)  $m \geq 1$  or  $m \leq -5$  : 
- 18) No solution. : 
- 19)  $p > \frac{44}{9}$  or  $p < -\frac{26}{9}$  : 
- 20)  $-2 < r < \frac{2}{3}$  : 
- 21)  $x \geq 2$  or  $x \leq -\frac{34}{9}$  : 
- 22)  $-1 \leq b \leq \frac{7}{3}$  : 
- 23)  $-2 \leq v \leq 9$  : 
- 24) No solution. : 

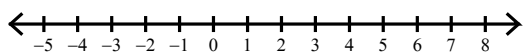




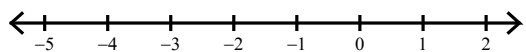
## Assignment

Solve each inequality and graph its solution.

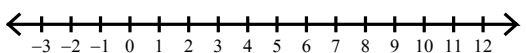
1)  $2|6n + 2| \geq -44$



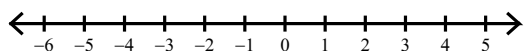
3)  $\frac{|8k + 10|}{3} \leq 4$



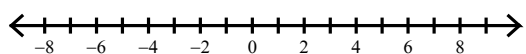
5)  $3 - |2x - 7| \leq -4$



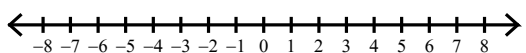
7)  $6|2 - 8n| \geq 84$



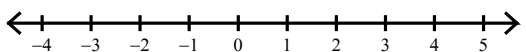
9)  $\frac{|5 - 8m|}{9} \geq 4$



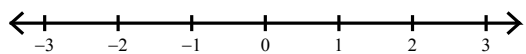
11)  $-2 + |7n - 9| \leq -95$



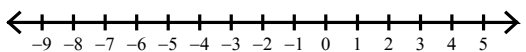
13)  $|3 - 9x| - 6 \leq 27$



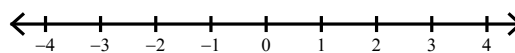
15)  $\frac{|-10x + 3|}{2} > 2$



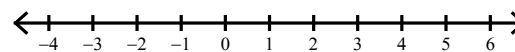
17)  $|3v + 3| - 1 > 8$



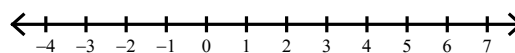
2)  $-4|-4x + 2| \geq -24$



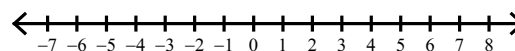
4)  $\frac{|2 - 7a|}{8} \leq 3$



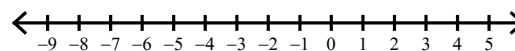
6)  $|6x - 8| - 8 \leq -40$



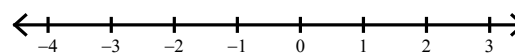
8)  $9 + |6p - 8| \leq -5$



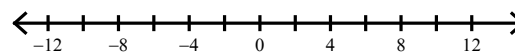
10)  $-3|7b + 4| < -72$



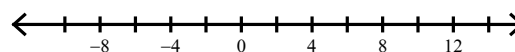
12)  $-6|7r + 4| < -24$



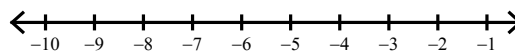
14)  $|10b + 3| - 3 > 84$



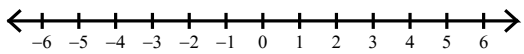
16)  $-2 + |-7 + 3n| > 26$



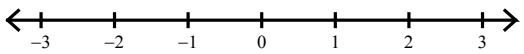
18)  $-2 - |5 + x| > -5$



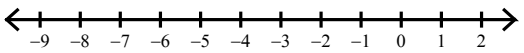
$$19) \frac{|-5 - 6a|}{10} \leq -1$$



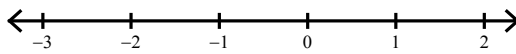
$$21) -8 - |2 - 7p| > -17$$



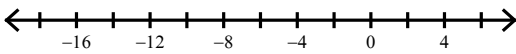
$$23) 10|-2x - 7| \leq 90$$



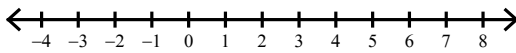
$$20) \frac{|8x + 2|}{4} < 2$$



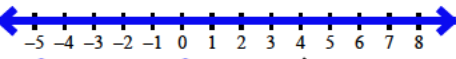
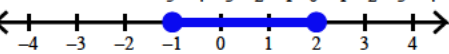
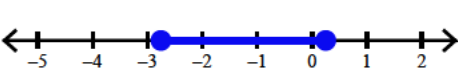
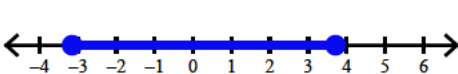
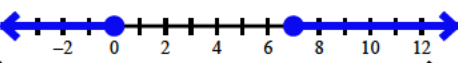
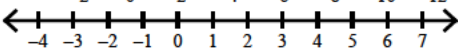
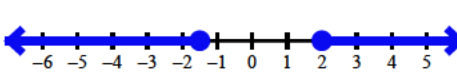
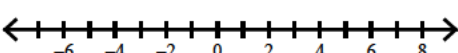
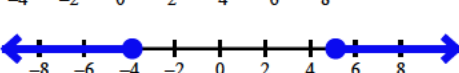
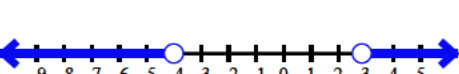
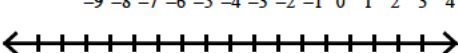
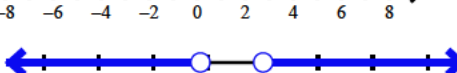
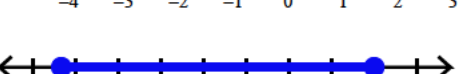
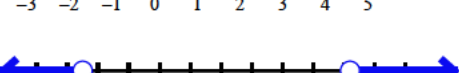

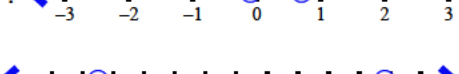
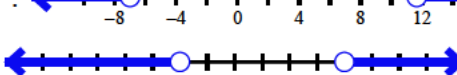
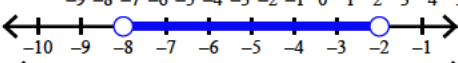
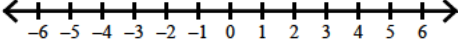
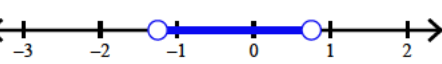
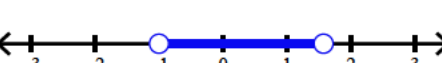
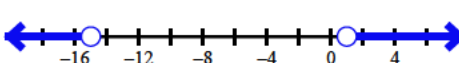
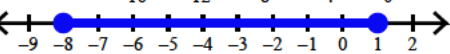
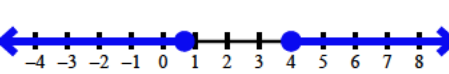
$$22) |-k - 7| + 7 > 15$$



$$24) -5|3n - 7| \leq -25$$



## Answers to Assignment (ID: 9)

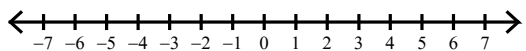
- 1) { All real numbers. } : 
- 2)  $-1 \leq x \leq 2$  : 
- 3)  $-\frac{11}{4} \leq k \leq \frac{1}{4}$  : 
- 4)  $-\frac{22}{7} \leq a \leq \frac{26}{7}$  : 
- 5)  $x \geq 7$  or  $x \leq 0$  : 
- 6) No solution. : 
- 7)  $n \leq -\frac{3}{2}$  or  $n \geq 2$  : 
- 8) No solution. : 
- 9)  $m \leq -\frac{31}{8}$  or  $m \geq \frac{41}{8}$  : 
- 10)  $b > \frac{20}{7}$  or  $b < -4$  : 
- 11) No solution. : 
- 12)  $r > 0$  or  $r < -\frac{8}{7}$  : 
- 13)  $-\frac{10}{3} \leq x \leq 4$  : 
- 14)  $b > \frac{42}{5}$  or  $b < -9$  : 
- 15)  $x < -\frac{1}{10}$  or  $x > \frac{7}{10}$  : 
- 16)  $n > \frac{35}{3}$  or  $n < -7$  : 
- 17)  $v > 2$  or  $v < -4$  : 
- 18)  $-8 < x < -2$  : 
- 19) No solution. : 
- 20)  $-\frac{5}{4} < x < \frac{3}{4}$  : 
- 21)  $-1 < p < \frac{11}{7}$  : 
- 22)  $k < -15$  or  $k > 1$  : 
- 23)  $-8 \leq x \leq 1$  : 
- 24)  $n \geq 4$  or  $n \leq \frac{2}{3}$  : 



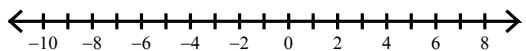
## Assignment

Solve each inequality and graph its solution.

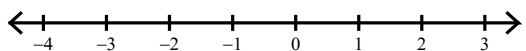
1)  $-2 + |8r - 8| > -74$



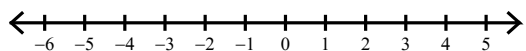
3)  $1 - |8n + 5| > -60$



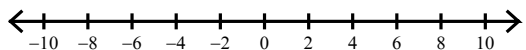
5)  $-7|3 + 4b| > -63$



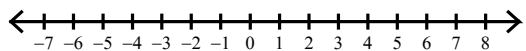
7)  $\frac{|10x + 4|}{2} > 5$



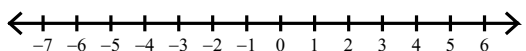
9)  $8 + |1 + 3n| > 24$



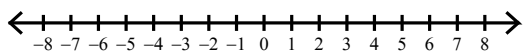
11)  $\frac{|-9x - 6|}{7} > -1$



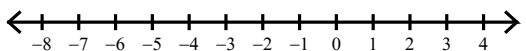
13)  $|-5 - 6n| - 9 \geq -74$



15)  $|p - 6| + 6 \geq -7$



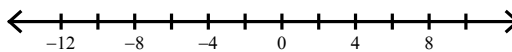
17)  $-7|8x - 7| > 49$



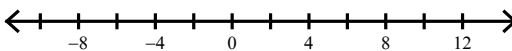
19)  $\frac{|-8r + 4|}{6} \geq 1$



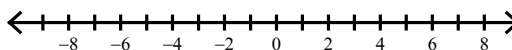
2)  $\frac{|4 + 3m|}{7} > 4$



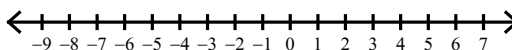
4)  $|5 - 8x| + 4 > 71$



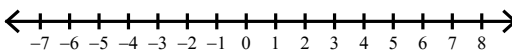
6)  $\frac{|7 + 4v|}{5} > 4$



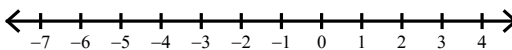
8)  $|8a + 3| - 5 > 32$



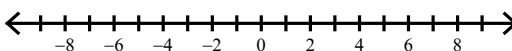
10)  $-10|5 + 3k| > 100$



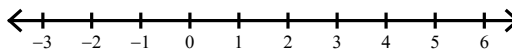
12)  $8|3x + 3| > 48$



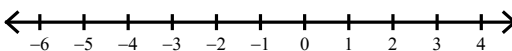
14)  $|-10m - 6| + 4 \geq 60$



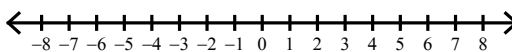
16)  $\frac{|5 - 7n|}{3} \geq 1$



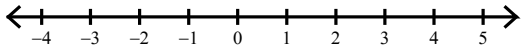
18)  $|4 - 8x| - 6 \geq -66$



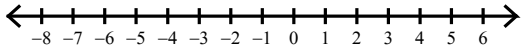
20)  $3|-n + 5| \geq -12$



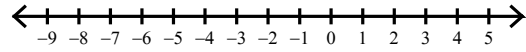
$$21) \frac{|3 - 7b|}{3} \geq 2$$



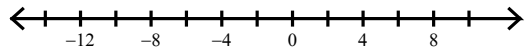
$$23) \frac{|9v + 4|}{7} \geq 4$$



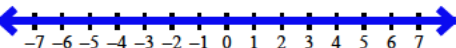
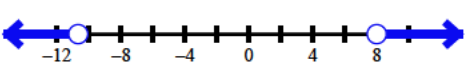
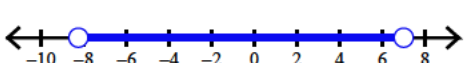
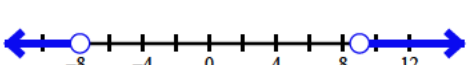

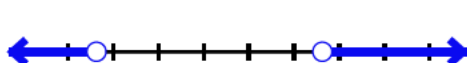

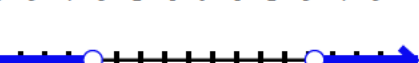
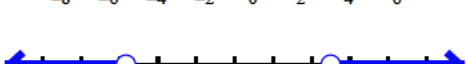
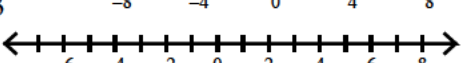
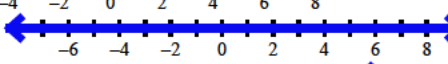
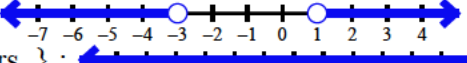
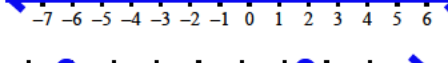
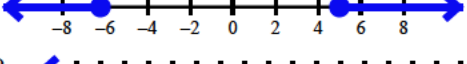
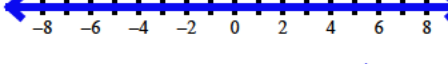
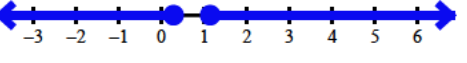
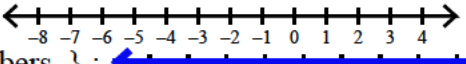
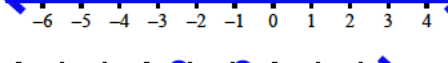
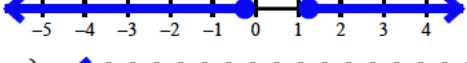
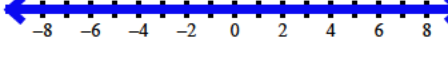
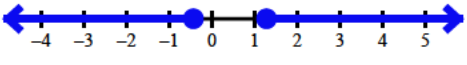
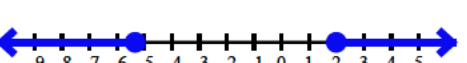
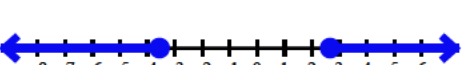
$$22) 9|3b + 5| \geq 99$$



$$24) |6x + 4| - 9 \geq 47$$



## Answers to Assignment (ID: 10)

- 1) { All real numbers. } : 
- 2)  $m > 8$  or  $m < -\frac{32}{3}$  : 
- 3)  $-\frac{33}{4} < n < 7$  : 
- 4)  $x < -\frac{31}{4}$  or  $x > 9$  : 
- 5)  $-3 < b < \frac{3}{2}$  : 
- 6)  $v > \frac{13}{4}$  or  $v < -\frac{27}{4}$  : 
- 7)  $x > \frac{3}{5}$  or  $x < -\frac{7}{5}$  : 
- 8)  $a > \frac{17}{4}$  or  $a < -5$  : 
- 9)  $n > 5$  or  $n < -\frac{17}{3}$  : 
- 10) No solution. : 
- 11) { All real numbers. } : 
- 12)  $x > 1$  or  $x < -3$  : 
- 13) { All real numbers. } : 
- 14)  $m \leq -\frac{31}{5}$  or  $m \geq 5$  : 
- 15) { All real numbers. } : 
- 16)  $n \leq \frac{2}{7}$  or  $n \geq \frac{8}{7}$  : 
- 17) No solution. : 
- 18) { All real numbers. } : 
- 19)  $r \leq -\frac{1}{4}$  or  $r \geq \frac{5}{4}$  : 
- 20) { All real numbers. } : 
- 21)  $b \leq -\frac{3}{7}$  or  $b \geq \frac{9}{7}$  : 
- 22)  $b \geq 2$  or  $b \leq -\frac{16}{3}$  : 
- 23)  $v \geq \frac{8}{3}$  or  $v \leq -\frac{32}{9}$  : 
- 24)  $x \geq \frac{26}{3}$  or  $x \leq -10$  : 