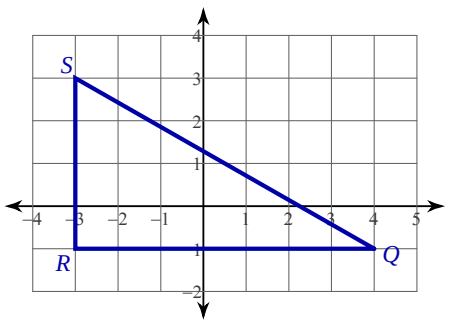
Geometry Name_____

Assignment

Date_____ Period____

Find coordinates of the centroid of each triangle.

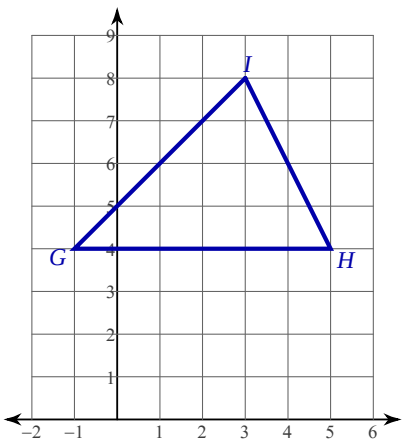
1)



A) $\left(-\frac{2}{3}, \frac{1}{3}\right)$ B) $\left(-1, \frac{1}{3}\right)$

C) $\left(-1, \frac{2}{3}\right)$ D) $(-1, 1)$

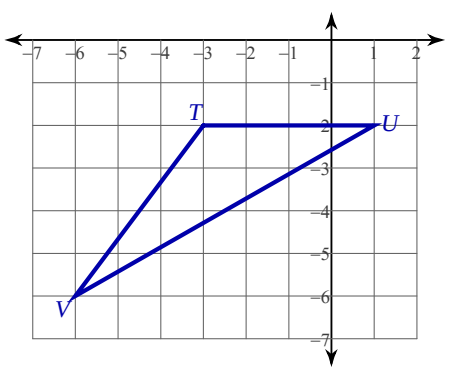
2)



A) $\left(\frac{8}{3}, \frac{17}{3}\right)$ B) $\left(\frac{7}{3}, \frac{17}{3}\right)$

C) $\left(\frac{7}{3}, \frac{16}{3}\right)$ D) $\left(2, \frac{16}{3}\right)$

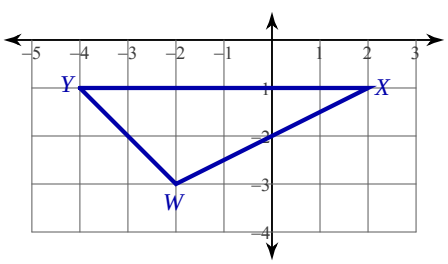
3)



A) $\left(-\frac{8}{3}, -4\right)$ B) $\left(-2, -\frac{8}{3}\right)$

C) $\left(-\frac{7}{3}, -4\right)$ D) $\left(-\frac{8}{3}, -\frac{10}{3}\right)$

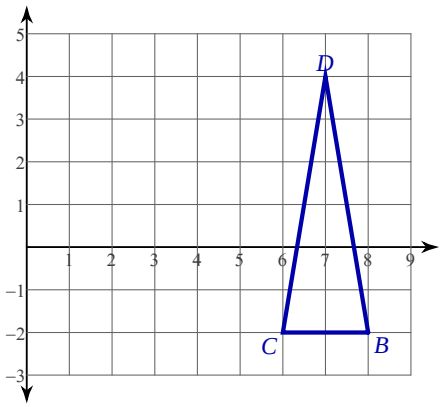
4)



A) $\left(-\frac{4}{3}, -\frac{5}{3}\right)$ B) $\left(-\frac{2}{3}, -1\right)$

C) $(-1, -1)$ D) $\left(-\frac{2}{3}, -\frac{5}{3}\right)$

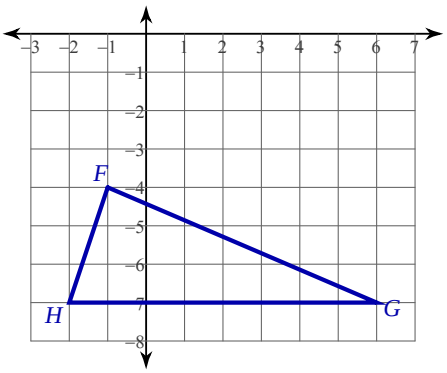
5)



A) $\left(7, \frac{1}{3}\right)$ B) $\left(\frac{22}{3}, -\frac{2}{3}\right)$

C) $\left(\frac{20}{3}, \frac{1}{3}\right)$ D) $(7, 0)$

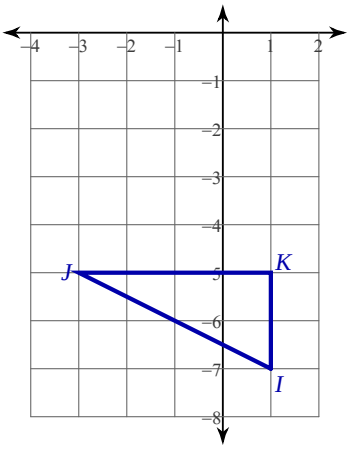
6)



A) $\left(\frac{1}{3}, -6\right)$ B) $\left(\frac{2}{3}, -\frac{16}{3}\right)$

C) $(1, -6)$ D) $\left(\frac{2}{3}, -6\right)$

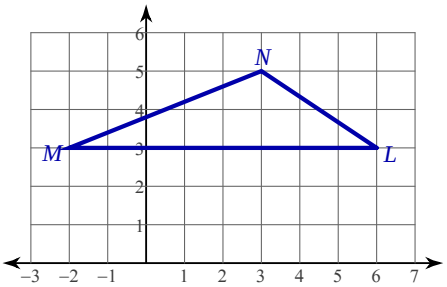
7)



A) $\left(-\frac{1}{3}, -\frac{16}{3}\right)$ B) $\left(-\frac{1}{3}, -\frac{17}{3}\right)$

C) $\left(\frac{1}{3}, -5\right)$ D) $(-1, -5)$

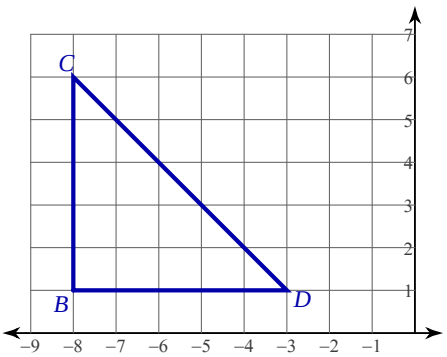
8)



A) $\left(\frac{8}{3}, \frac{11}{3}\right)$ B) $\left(\frac{7}{3}, \frac{11}{3}\right)$

C) $\left(\frac{5}{3}, 4\right)$ D) $\left(\frac{8}{3}, \frac{10}{3}\right)$

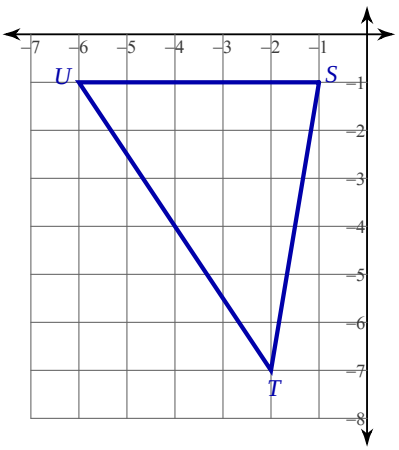
9)



A) $\left(-\frac{17}{3}, 2\right)$ B) $\left(-\frac{17}{3}, \frac{7}{3}\right)$

C) $\left(-\frac{19}{3}, \frac{8}{3}\right)$ D) $\left(-7, \frac{10}{3}\right)$

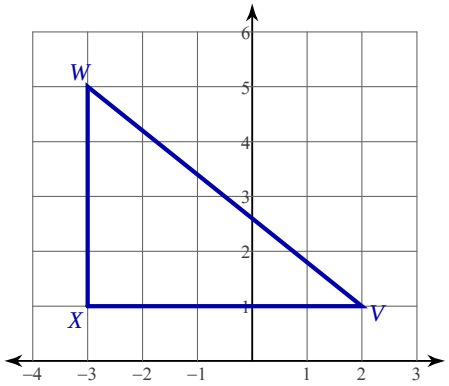
10)



A) $(-3, -3)$ B) $\left(-3, -\frac{7}{3}\right)$

C) $\left(-\frac{11}{3}, -\frac{10}{3}\right)$ D) $\left(-\frac{7}{3}, -\frac{7}{3}\right)$

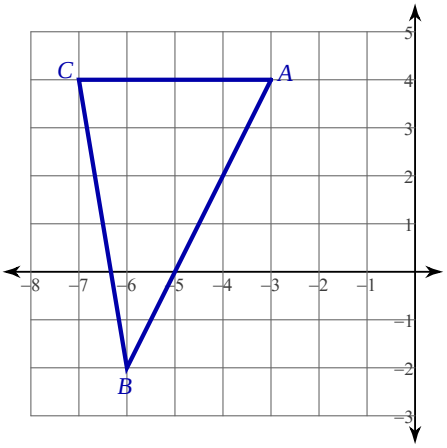
11)



A) $\left(-2, \frac{8}{3}\right)$ B) $\left(-\frac{2}{3}, \frac{7}{3}\right)$

C) $\left(-\frac{4}{3}, \frac{7}{3}\right)$ D) $\left(-\frac{5}{3}, \frac{5}{3}\right)$

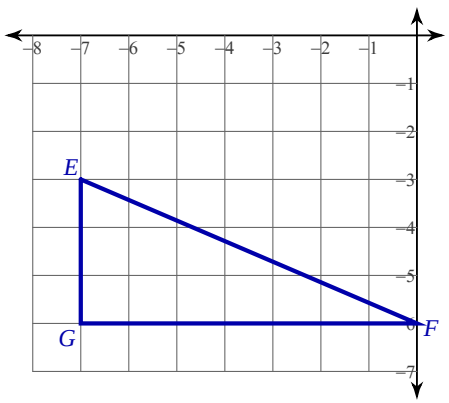
12)



A) $\left(-\frac{17}{3}, 2\right)$ B) $(-6, 2)$

C) $\left(-\frac{16}{3}, 2\right)$ D) $\left(-6, \frac{4}{3}\right)$

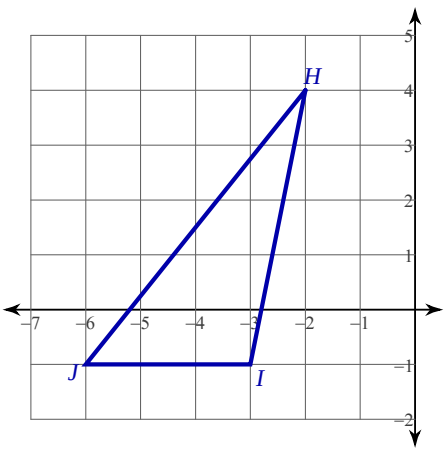
13)



A) $\left(-\frac{14}{3}, -5\right)$ B) $\left(-5, -\frac{13}{3}\right)$

C) $\left(-4, -\frac{17}{3}\right)$ D) $\left(-\frac{13}{3}, -\frac{16}{3}\right)$

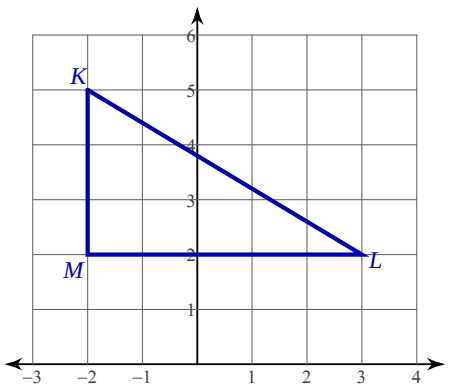
14)



A) $(-3, 0)$ B) $\left(-\frac{11}{3}, 0\right)$

C) $\left(-\frac{13}{3}, 0\right)$ D) $\left(-\frac{11}{3}, \frac{2}{3}\right)$

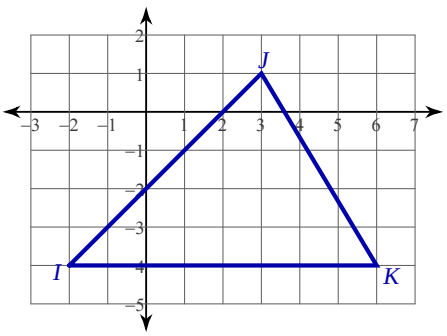
15)



A) $\left(-\frac{2}{3}, \frac{10}{3}\right)$ B) $(0, 3)$

C) $\left(-\frac{1}{3}, 3\right)$ D) $\left(-\frac{1}{3}, \frac{11}{3}\right)$

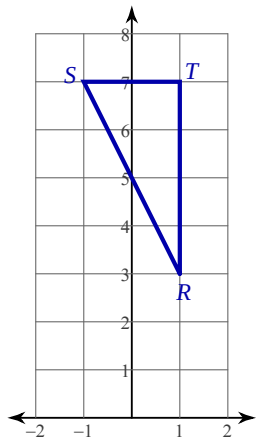
16)



A) $\left(\frac{7}{3}, -\frac{7}{3}\right)$ B) $(2, -2)$

C) $\left(\frac{5}{3}, -\frac{8}{3}\right)$ D) $\left(\frac{7}{3}, -3\right)$

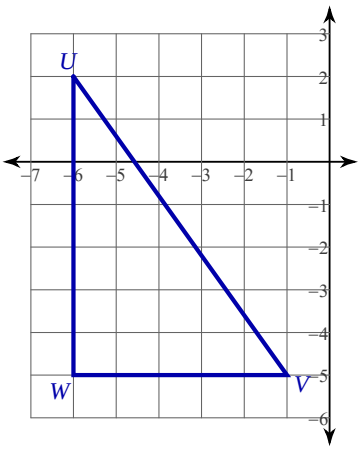
17)



A) $\left(\frac{1}{3}, \frac{17}{3}\right)$ B) $(1, 6)$

C) $\left(\frac{2}{3}, 5\right)$ D) $\left(\frac{1}{3}, 6\right)$

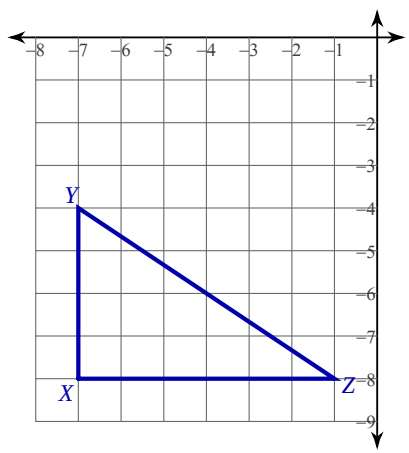
18)



A) $\left(-\frac{13}{3}, -\frac{8}{3}\right)$ B) $\left(-\frac{14}{3}, -3\right)$

C) $\left(-\frac{14}{3}, -\frac{8}{3}\right)$ D) $\left(-\frac{11}{3}, -3\right)$

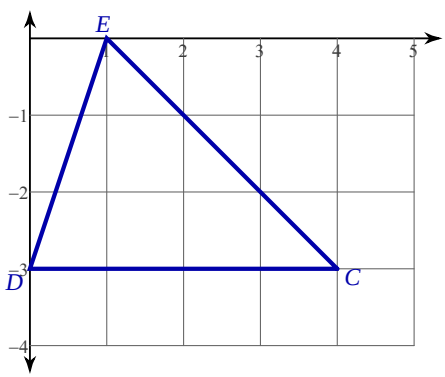
19)



A) $\left(-5, -\frac{20}{3}\right)$ B) $\left(-\frac{14}{3}, -\frac{22}{3}\right)$

C) $(-5, -7)$ D) $\left(-5, -\frac{19}{3}\right)$

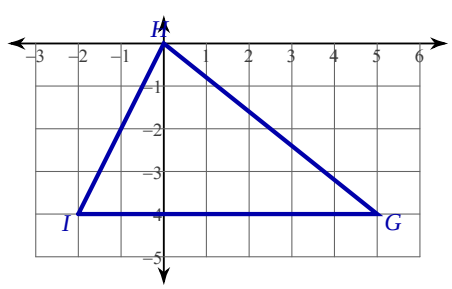
20)



A) $\left(\frac{4}{3}, -\frac{8}{3}\right)$ B) $\left(\frac{5}{3}, -2\right)$

C) $\left(1, -\frac{7}{3}\right)$ D) $\left(1, -\frac{4}{3}\right)$

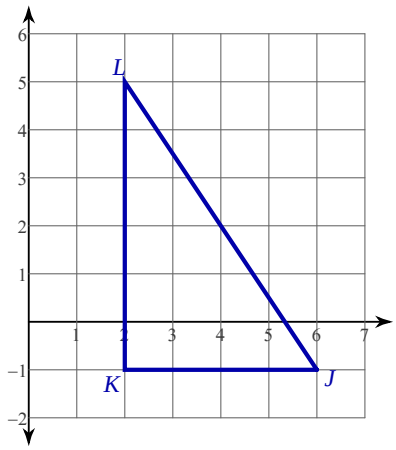
21)



A) $\left(\frac{1}{3}, -3\right)$ B) $\left(\frac{1}{3}, -\frac{10}{3}\right)$

C) $(1, -2)$ D) $\left(1, -\frac{8}{3}\right)$

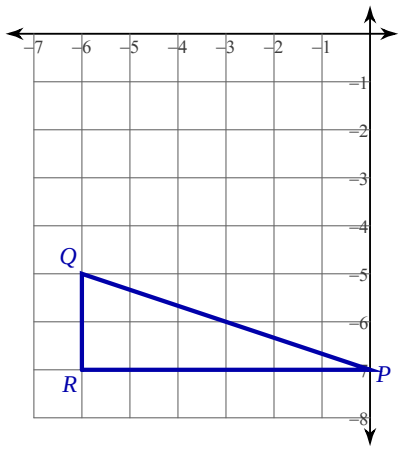
22)



A) $\left(\frac{11}{3}, \frac{2}{3}\right)$ B) $\left(\frac{10}{3}, 1\right)$

C) $\left(\frac{10}{3}, \frac{4}{3}\right)$ D) $\left(3, \frac{2}{3}\right)$

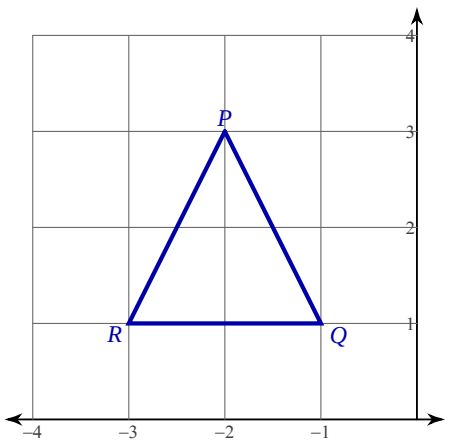
23)



A) $\left(-4, -\frac{19}{3}\right)$ B) $\left(-\frac{13}{3}, -\frac{17}{3}\right)$

C) $(-4, -7)$ D) $\left(-\frac{11}{3}, -\frac{17}{3}\right)$

24)



A) $(-2, 1)$ B) $\left(-2, \frac{5}{3}\right)$

C) $\left(-\frac{4}{3}, \frac{4}{3}\right)$ D) $\left(-\frac{7}{3}, 1\right)$

Answers to Assignment (ID: 1)

1) A
2) C
3) D
4) A
5) D
6) C
7) B
8) B
9) C
10) A
11) C
12) C
13) A
14) D
15) C
16) A
17) A
18) A
19) A
20) B
21) D
22) B
23) A
24) B

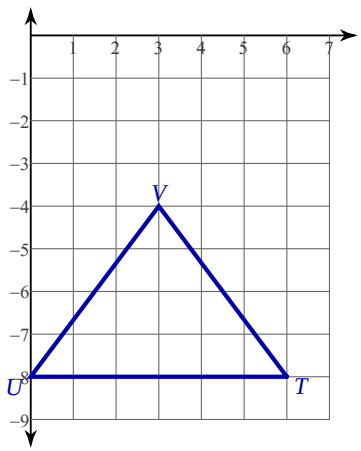
Geometry Name_____

Assignment

Date_____ Period____

Find coordinates of the centroid of each triangle.

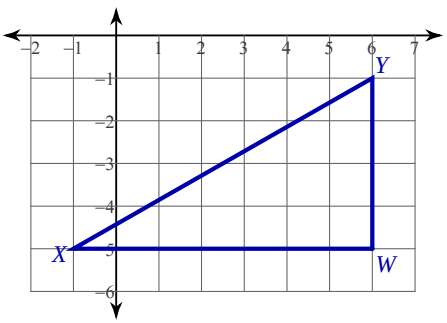
1)



A) $\left(\frac{10}{3}, -6\right)$ B) $\left(\frac{8}{3}, -7\right)$

C) $\left(3, -\frac{20}{3}\right)$ D) $\left(\frac{10}{3}, -\frac{20}{3}\right)$

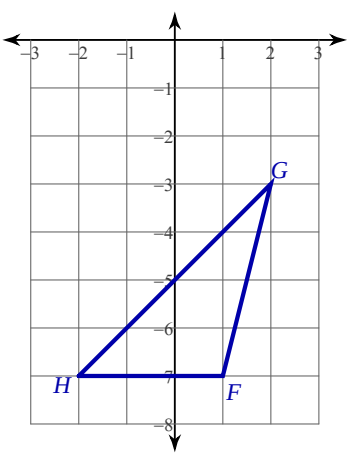
2)



A) $\left(\frac{10}{3}, -3\right)$ B) $\left(\frac{11}{3}, -\frac{11}{3}\right)$

C) $\left(\frac{13}{3}, -\frac{13}{3}\right)$ D) $\left(3, -\frac{10}{3}\right)$

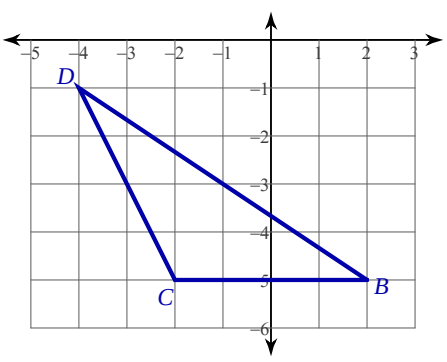
3)



A) $\left(\frac{1}{3}, -5\right)$ B) $\left(1, -\frac{19}{3}\right)$

C) $\left(\frac{1}{3}, -\frac{17}{3}\right)$ D) $\left(-\frac{1}{3}, -\frac{17}{3}\right)$

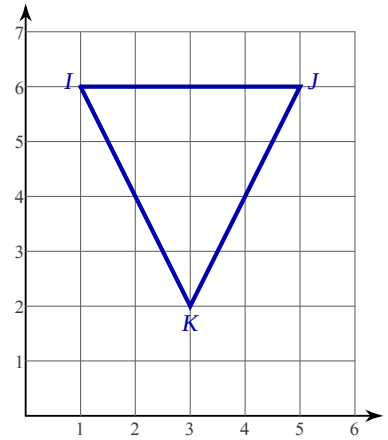
4)



A) $\left(-\frac{4}{3}, -\frac{11}{3}\right)$ B) $(-1, -4)$

C) $\left(-\frac{2}{3}, -3\right)$ D) $(-2, -3)$

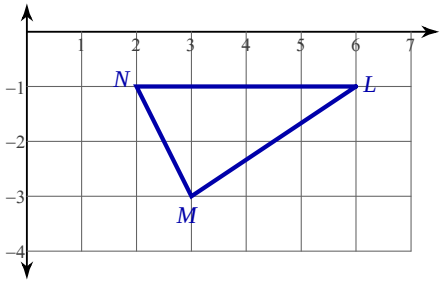
5)



A) $\left(3, \frac{13}{3}\right)$ B) $\left(\frac{7}{3}, 4\right)$

C) $\left(3, \frac{14}{3}\right)$ D) $\left(\frac{10}{3}, \frac{14}{3}\right)$

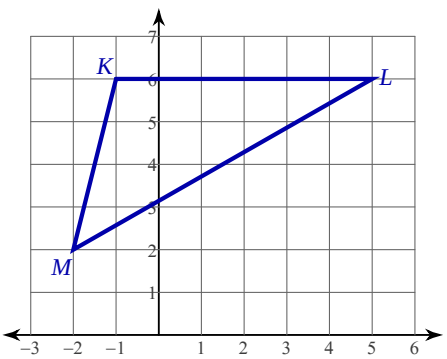
6)



A) $\left(\frac{13}{3}, -1\right)$ B) $\left(\frac{13}{3}, -\frac{7}{3}\right)$

C) $\left(\frac{11}{3}, -\frac{5}{3}\right)$ D) $(3, -2)$

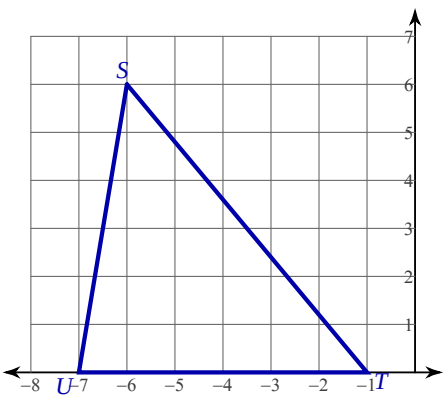
7)



A) $\left(\frac{4}{3}, \frac{14}{3}\right)$ B) $\left(\frac{4}{3}, 4\right)$

C) $\left(\frac{2}{3}, \frac{14}{3}\right)$ D) $\left(\frac{1}{3}, \frac{14}{3}\right)$

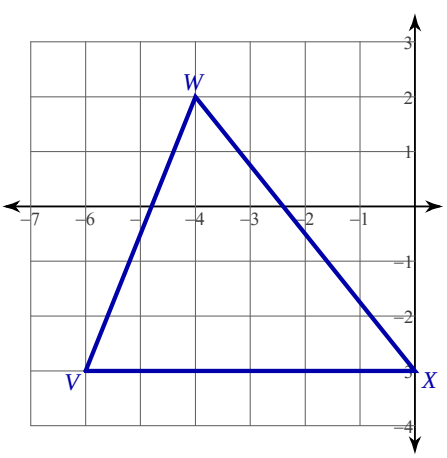
8)



A) $\left(-\frac{14}{3}, 2\right)$ B) $\left(-\frac{14}{3}, \frac{8}{3}\right)$

C) $\left(-\frac{13}{3}, \frac{7}{3}\right)$ D) $\left(-\frac{16}{3}, \frac{8}{3}\right)$

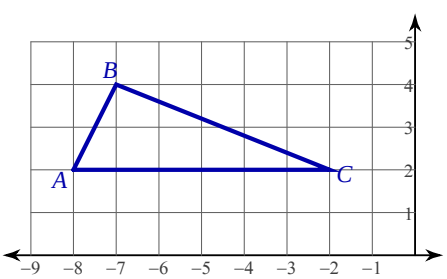
9)



A) $\left(-4, -\frac{2}{3}\right)$ B) $\left(-\frac{8}{3}, -1\right)$

C) $\left(-\frac{10}{3}, -\frac{4}{3}\right)$ D) $\left(-\frac{11}{3}, -1\right)$

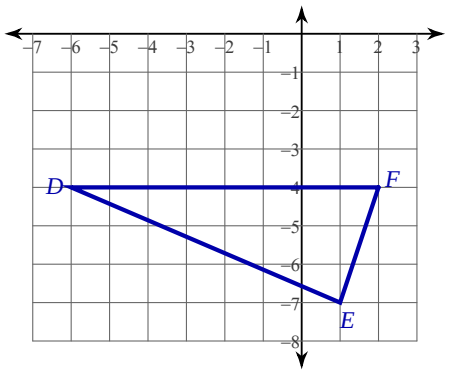
10)



A) $\left(-\frac{17}{3}, \frac{8}{3}\right)$ B) $\left(-\frac{16}{3}, \frac{10}{3}\right)$

C) $\left(-\frac{19}{3}, \frac{10}{3}\right)$ D) $\left(-\frac{17}{3}, \frac{7}{3}\right)$

11)



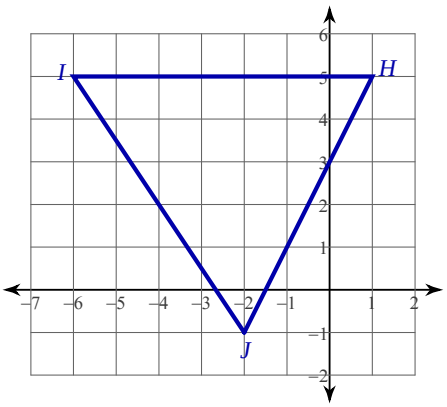
A) $(-1, -5)$

B) $\left(-\frac{4}{3}, -\frac{17}{3}\right)$

C) $\left(-\frac{5}{3}, -\frac{13}{3}\right)$

D) $\left(-\frac{1}{3}, -\frac{17}{3}\right)$

12)



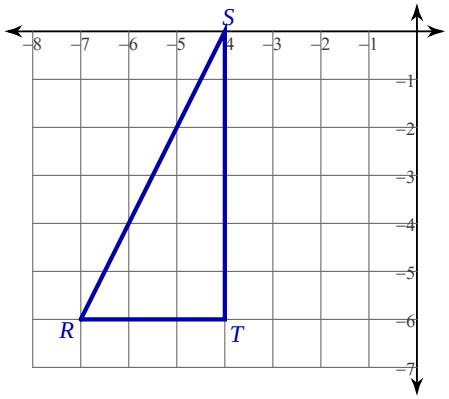
A) $\left(-\frac{8}{3}, 3\right)$

B) $\left(-\frac{7}{3}, 3\right)$

C) $\left(-\frac{8}{3}, \frac{11}{3}\right)$

D) $\left(-3, \frac{10}{3}\right)$

13)



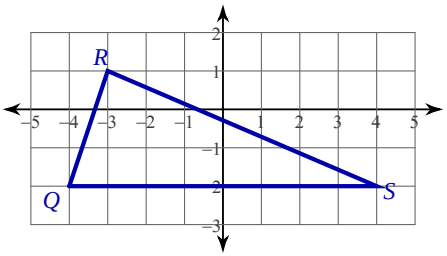
A) $\left(-\frac{17}{3}, -\frac{14}{3}\right)$

B) $(-5, -4)$

C) $\left(-\frac{13}{3}, -\frac{10}{3}\right)$

D) $\left(-\frac{14}{3}, -4\right)$

14)



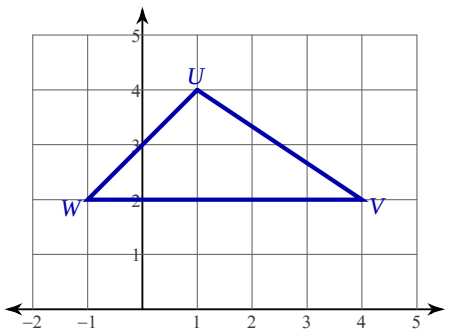
A) $(-1, -1)$

B) $\left(-\frac{5}{3}, -\frac{4}{3}\right)$

C) $\left(-\frac{5}{3}, -\frac{2}{3}\right)$

D) $\left(-\frac{4}{3}, -\frac{4}{3}\right)$

15)



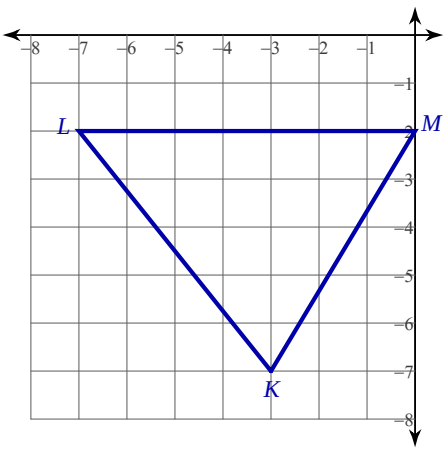
A) $(1, 2)$

B) $\left(\frac{5}{3}, 3\right)$

C) $\left(\frac{4}{3}, \frac{8}{3}\right)$

D) $(2, 3)$

16)



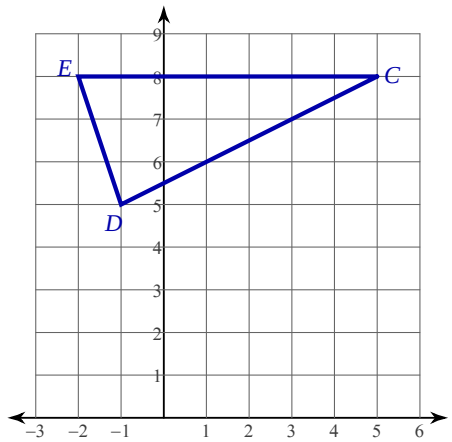
A) $\left(-4, -\frac{11}{3}\right)$

B) $\left(-\frac{10}{3}, -\frac{11}{3}\right)$

C) $(-4, -4)$

D) $\left(-3, -\frac{13}{3}\right)$

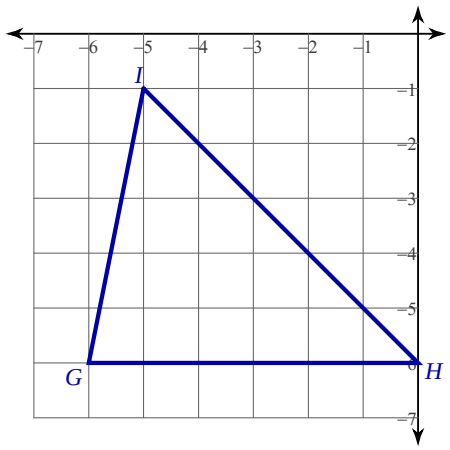
17)



A) $\left(\frac{2}{3}, 7\right)$ B) $\left(\frac{2}{3}, \frac{22}{3}\right)$

C) $(1, 7)$ D) $\left(\frac{1}{3}, \frac{20}{3}\right)$

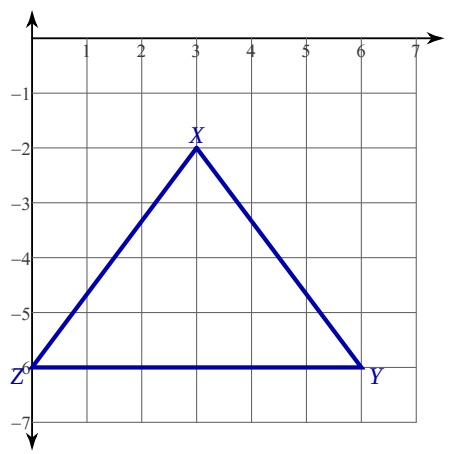
18)



A) $(-4, -4)$ B) $\left(-\frac{13}{3}, -4\right)$

C) $\left(-3, -\frac{11}{3}\right)$ D) $\left(-\frac{11}{3}, -\frac{13}{3}\right)$

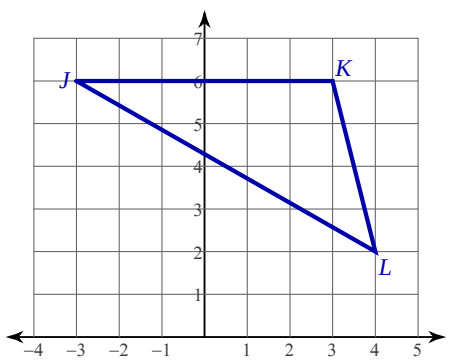
19)



A) $(3, -4)$ B) $\left(\frac{10}{3}, -\frac{14}{3}\right)$

C) $\left(3, -\frac{14}{3}\right)$ D) $\left(\frac{10}{3}, -\frac{13}{3}\right)$

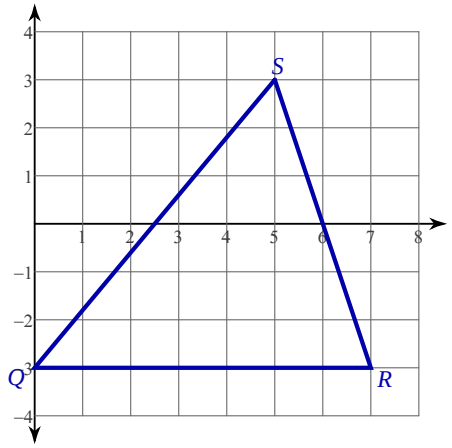
20)



A) $\left(\frac{4}{3}, \frac{14}{3}\right)$ B) $\left(\frac{5}{3}, \frac{13}{3}\right)$

C) $\left(\frac{5}{3}, \frac{14}{3}\right)$ D) $\left(\frac{5}{3}, 4\right)$

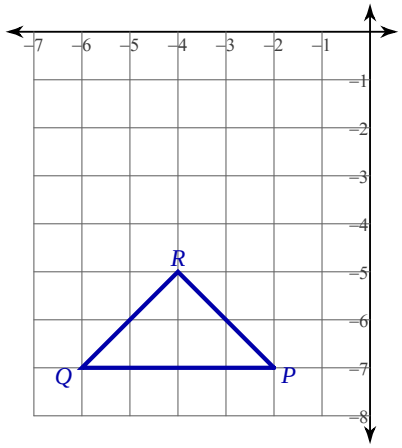
21)



A) $\left(\frac{13}{3}, -\frac{4}{3}\right)$ B) $\left(\frac{13}{3}, -\frac{2}{3}\right)$

C) $(4, -1)$ D) $\left(\frac{10}{3}, -1\right)$

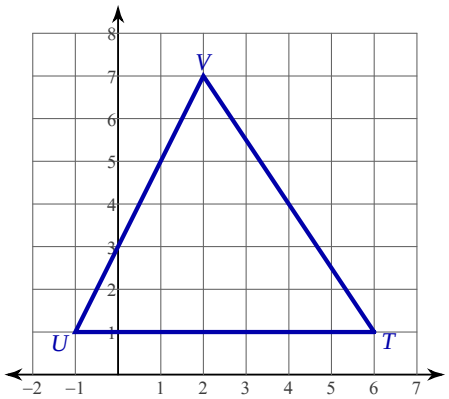
22)



A) $\left(-\frac{11}{3}, -\frac{20}{3}\right)$ B) $\left(-4, -\frac{17}{3}\right)$

C) $\left(-4, -\frac{19}{3}\right)$ D) $\left(-\frac{14}{3}, -6\right)$

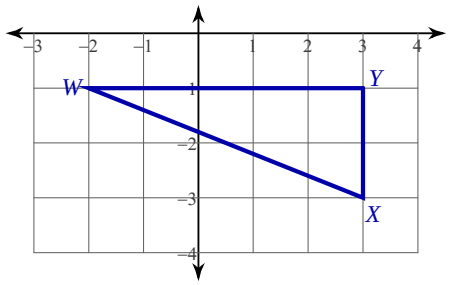
23)



A) $\left(\frac{7}{3}, 3\right)$ B) $\left(2, \frac{8}{3}\right)$

C) $\left(\frac{5}{3}, \frac{7}{3}\right)$ D) $\left(2, \frac{11}{3}\right)$

24)



A) $\left(\frac{5}{3}, -2\right)$ B) $(2, -2)$

C) $\left(\frac{4}{3}, -\frac{5}{3}\right)$ D) $\left(1, -\frac{5}{3}\right)$

Answers to Assignment (ID: 2)

1) C
2) B
3) C
4) A
5) C
6) C
7) C
8) A
9) C
10) A
11) A
12) B
13) B
14) A
15) C
16) B
17) A
18) D
19) C
20) A
21) C
22) C
23) A
24) C

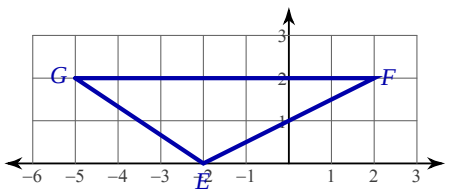
Geometry Name_____

Assignment

Date_____ Period____

Find coordinates of the centroid of each triangle.

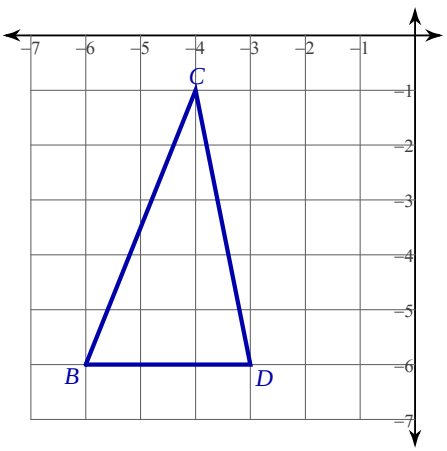
1)



A) $(-2, 1)$ B) $(-1, 2)$

C) $(-1, 1)$ D) $\left(-\frac{5}{3}, \frac{4}{3}\right)$

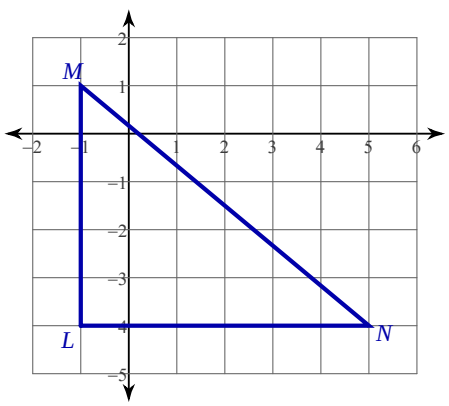
2)



A) $\left(-\frac{13}{3}, -\frac{13}{3}\right)$ B) $\left(-4, -\frac{11}{3}\right)$

C) $\left(-\frac{11}{3}, -\frac{14}{3}\right)$ D) $\left(-\frac{13}{3}, -5\right)$

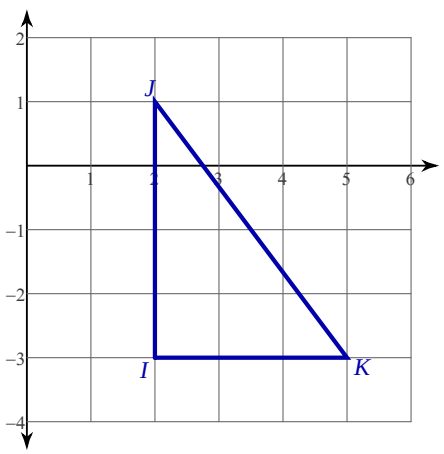
3)



A) $\left(\frac{5}{3}, -3\right)$ B) $\left(\frac{4}{3}, -2\right)$

C) $\left(\frac{1}{3}, -\frac{5}{3}\right)$ D) $\left(1, -\frac{7}{3}\right)$

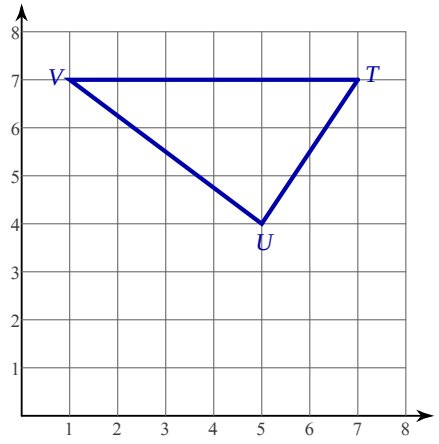
4)



A) $\left(3, -\frac{5}{3}\right)$ B) $\left(\frac{11}{3}, -\frac{7}{3}\right)$

C) $\left(\frac{7}{3}, -\frac{5}{3}\right)$ D) $\left(\frac{10}{3}, -\frac{7}{3}\right)$

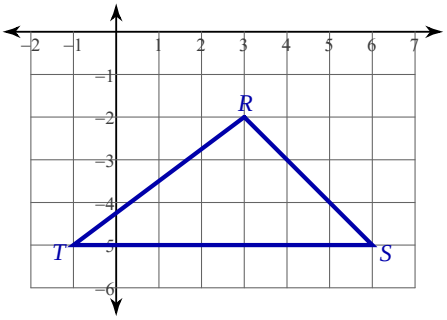
5)



A) $\left(5, \frac{19}{3}\right)$ B) $\left(\frac{11}{3}, \frac{19}{3}\right)$

C) $\left(\frac{13}{3}, 6\right)$ D) $\left(\frac{13}{3}, \frac{19}{3}\right)$

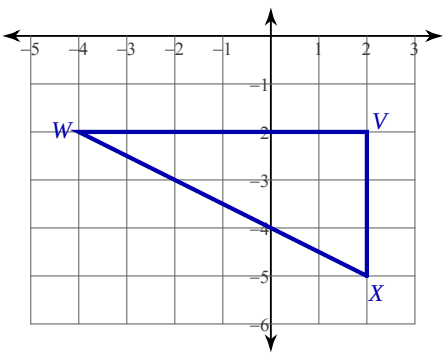
6)



A) $\left(\frac{10}{3}, -\frac{13}{3}\right)$ B) $\left(\frac{10}{3}, -4\right)$

C) $\left(\frac{7}{3}, -\frac{14}{3}\right)$ D) $\left(\frac{8}{3}, -4\right)$

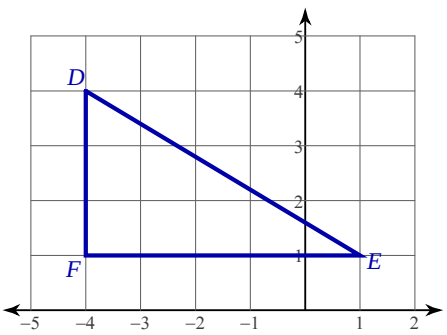
7)



A) $\left(-\frac{2}{3}, -\frac{10}{3}\right)$ B) $\left(-\frac{1}{3}, -\frac{10}{3}\right)$

C) $(0, -3)$ D) $\left(\frac{1}{3}, -\frac{10}{3}\right)$

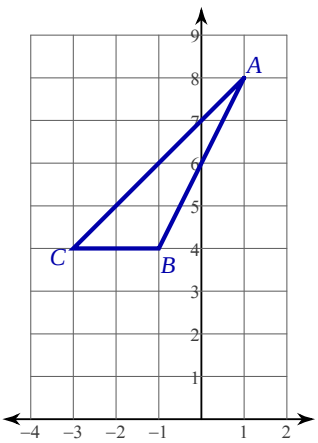
8)



A) $\left(-\frac{5}{3}, 2\right)$ B) $\left(-\frac{7}{3}, 2\right)$

C) $\left(-\frac{8}{3}, \frac{4}{3}\right)$ D) $\left(-\frac{5}{3}, \frac{5}{3}\right)$

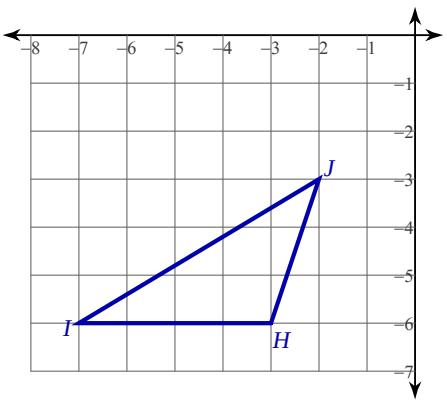
9)



A) $\left(-\frac{2}{3}, 6\right)$ B) $\left(-\frac{1}{3}, \frac{16}{3}\right)$

C) $\left(-\frac{5}{3}, \frac{14}{3}\right)$ D) $\left(-1, \frac{16}{3}\right)$

10)



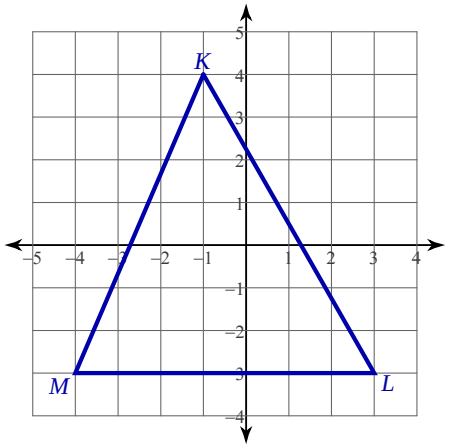
A) $\left(-\frac{10}{3}, -\frac{13}{3}\right)$

B) $\left(-\frac{14}{3}, -\frac{17}{3}\right)$

C) $(-4, -5)$

D) $\left(-\frac{11}{3}, -\frac{13}{3}\right)$

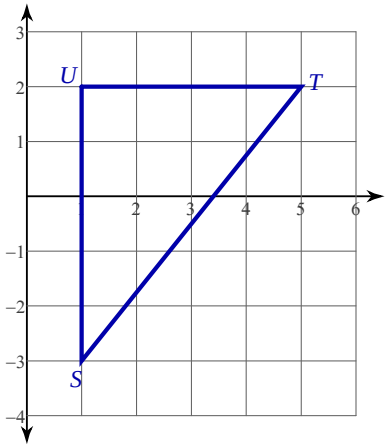
11)



A) $\left(-\frac{2}{3}, -\frac{2}{3}\right)$ B) $\left(-\frac{1}{3}, -1\right)$

C) $\left(-\frac{4}{3}, -\frac{1}{3}\right)$ D) $(-1, 0)$

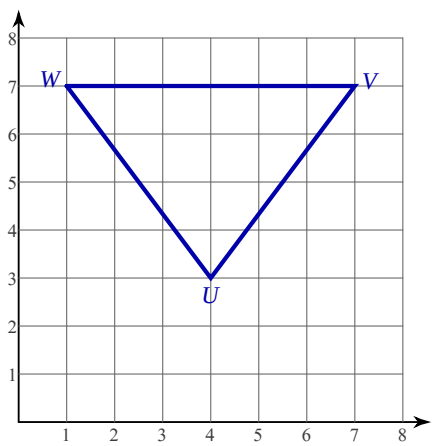
12)



A) $\left(2, \frac{1}{3}\right)$ B) $\left(3, -\frac{1}{3}\right)$

C) $\left(\frac{5}{3}, \frac{1}{3}\right)$ D) $\left(\frac{7}{3}, \frac{1}{3}\right)$

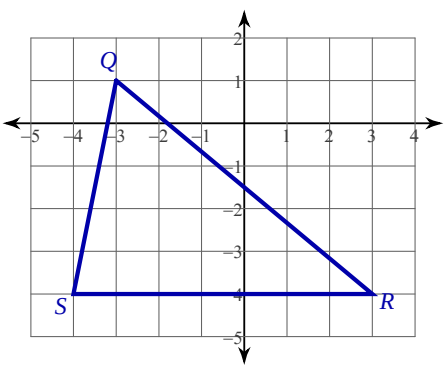
13)



A) $\left(4, \frac{17}{3}\right)$ B) $\left(\frac{14}{3}, 5\right)$

C) $\left(\frac{14}{3}, \frac{16}{3}\right)$ D) $(4, 6)$

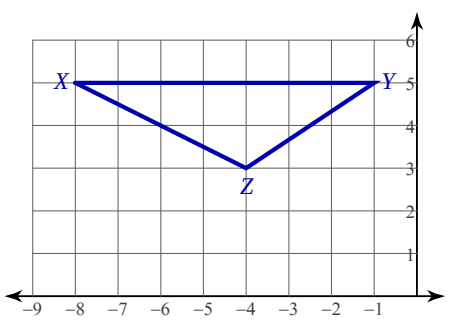
14)



A) $\left(-\frac{2}{3}, -3\right)$ B) $\left(-\frac{4}{3}, -\frac{7}{3}\right)$

C) $\left(-\frac{5}{3}, -3\right)$ D) $\left(-\frac{4}{3}, -3\right)$

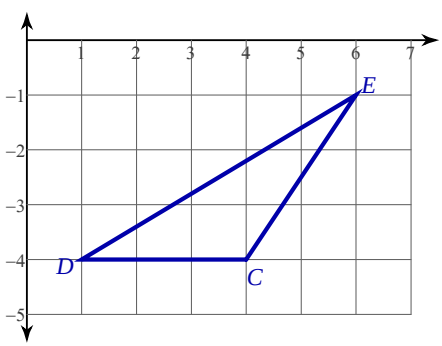
15)



A) $\left(-\frac{13}{3}, \frac{13}{3}\right)$ B) $\left(-4, \frac{11}{3}\right)$

C) $\left(-\frac{14}{3}, \frac{14}{3}\right)$ D) $\left(-\frac{14}{3}, 5\right)$

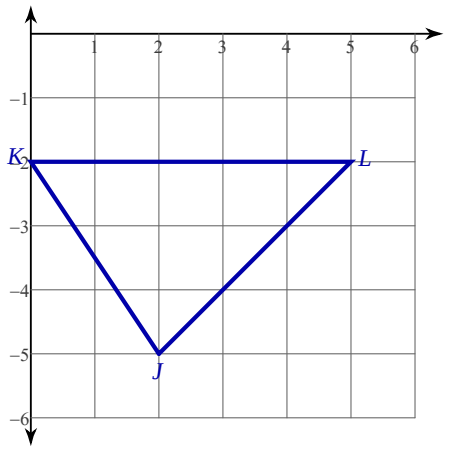
16)



A) $(3, -3)$ B) $(4, -3)$

C) $\left(\frac{11}{3}, -3\right)$ D) $\left(\frac{10}{3}, -\frac{8}{3}\right)$

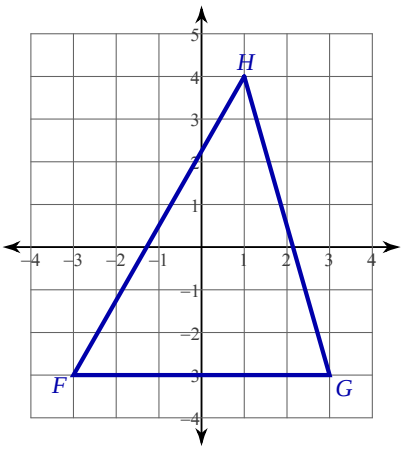
17)



A) $\left(\frac{7}{3}, -3\right)$ B) $\left(\frac{5}{3}, -\frac{11}{3}\right)$

C) $\left(\frac{8}{3}, -\frac{10}{3}\right)$ D) $\left(\frac{7}{3}, -\frac{10}{3}\right)$

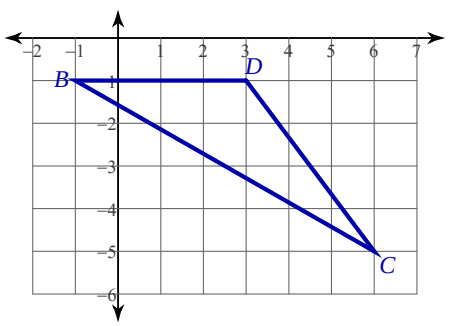
18)



A) $\left(-\frac{1}{3}, -\frac{4}{3}\right)$ B) $\left(\frac{1}{3}, -\frac{4}{3}\right)$

C) $\left(\frac{1}{3}, -\frac{2}{3}\right)$ D) $\left(-\frac{1}{3}, -\frac{2}{3}\right)$

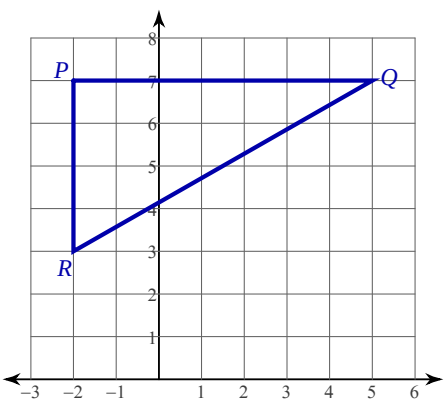
19)



A) $\left(\frac{10}{3}, -3\right)$ B) $\left(\frac{8}{3}, -\frac{7}{3}\right)$

C) $(2, -2)$ D) $\left(\frac{10}{3}, -\frac{7}{3}\right)$

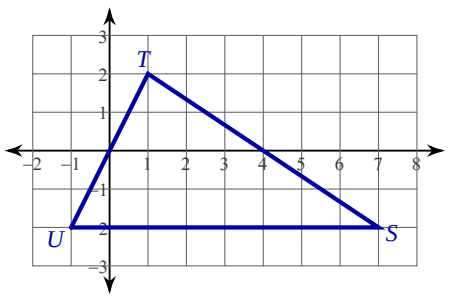
20)



A) $\left(\frac{2}{3}, 6\right)$ B) $(0, 6)$

C) $\left(\frac{1}{3}, 5\right)$ D) $\left(\frac{1}{3}, \frac{17}{3}\right)$

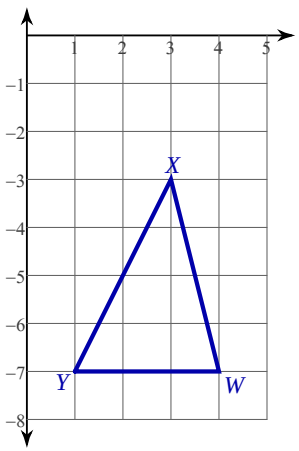
21)



A) $\left(\frac{5}{3}, -\frac{4}{3}\right)$ B) $\left(\frac{8}{3}, -\frac{1}{3}\right)$

C) $\left(3, -\frac{2}{3}\right)$ D) $\left(\frac{7}{3}, -\frac{2}{3}\right)$

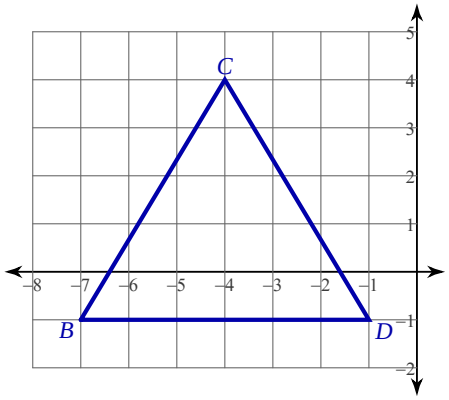
22)



A) $\left(3, -\frac{17}{3}\right)$ B) $\left(\frac{7}{3}, -\frac{16}{3}\right)$

C) $\left(\frac{8}{3}, -\frac{17}{3}\right)$ D) $\left(\frac{7}{3}, -\frac{17}{3}\right)$

23)



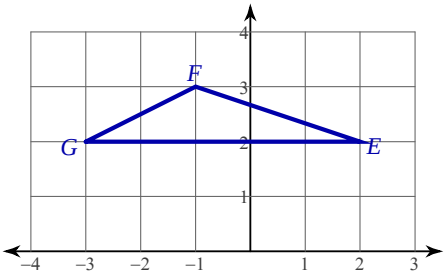
A) $\left(-\frac{11}{3}, \frac{1}{3}\right)$

B) $\left(-4, \frac{2}{3}\right)$

C) $(-4, 1)$

D) $\left(-\frac{11}{3}, \frac{4}{3}\right)$

24)



A) $\left(-\frac{2}{3}, \frac{7}{3}\right)$

B) $\left(0, \frac{7}{3}\right)$

C) $\left(-\frac{2}{3}, 2\right)$

D) $\left(-\frac{4}{3}, \frac{5}{3}\right)$

Answers to Assignment (ID: 3)

1) D
2) A
3) D
4) A
5) C
6) D
7) C
8) B
9) D
10) C
11) A
12) D
13) A
14) B
15) A
16) C
17) A
18) C
19) B
20) D
21) D
22) C
23) B
24) A

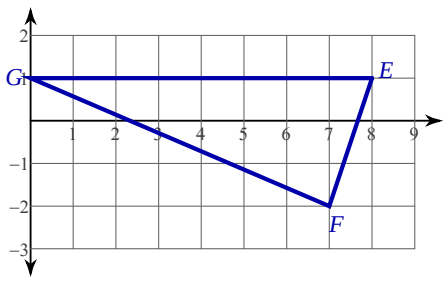
Geometry Name_____

Assignment

Date_____ Period____

Find coordinates of the centroid of each triangle.

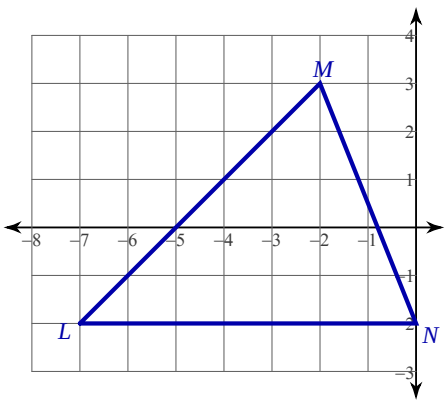
1)



A) $(5, 0)$ B) $\left(\frac{16}{3}, \frac{1}{3}\right)$

C) $\left(\frac{13}{3}, -\frac{1}{3}\right)$ D) $\left(\frac{14}{3}, \frac{2}{3}\right)$

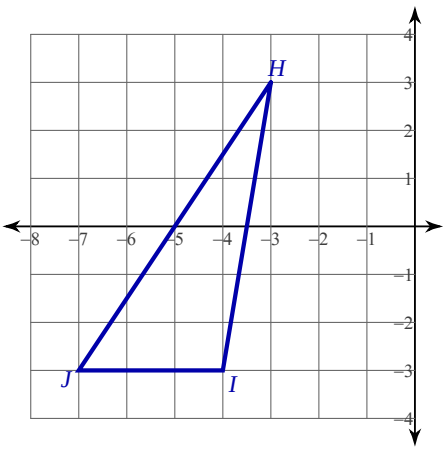
2)



A) $\left(-\frac{7}{3}, -\frac{1}{3}\right)$ B) $\left(-\frac{7}{3}, 0\right)$

C) $\left(-3, -\frac{1}{3}\right)$ D) $\left(-\frac{8}{3}, -1\right)$

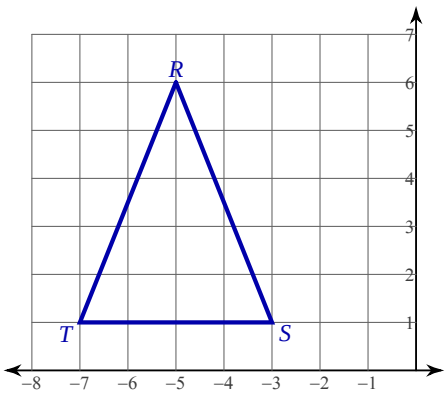
3)



A) $\left(-5, -\frac{5}{3}\right)$ B) $\left(-\frac{13}{3}, -\frac{2}{3}\right)$

C) $\left(-\frac{14}{3}, -1\right)$ D) $\left(-\frac{14}{3}, -\frac{1}{3}\right)$

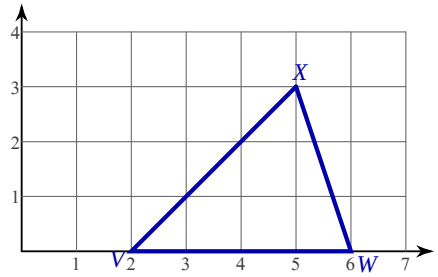
4)



A) $(-5, 3)$ B) $\left(-5, \frac{8}{3}\right)$

C) $\left(-\frac{14}{3}, \frac{7}{3}\right)$ D) $\left(-\frac{13}{3}, \frac{7}{3}\right)$

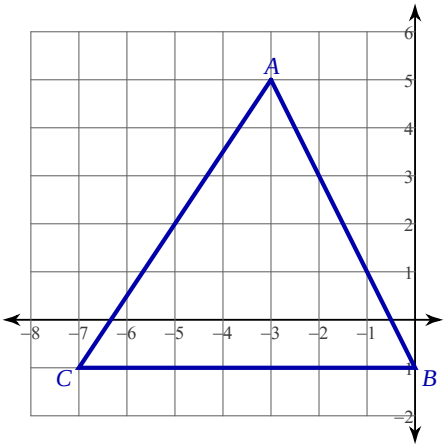
5)



A) $\left(\frac{11}{3}, \frac{4}{3}\right)$ B) $\left(\frac{13}{3}, 1\right)$

C) $\left(5, \frac{2}{3}\right)$ D) $\left(\frac{11}{3}, \frac{1}{3}\right)$

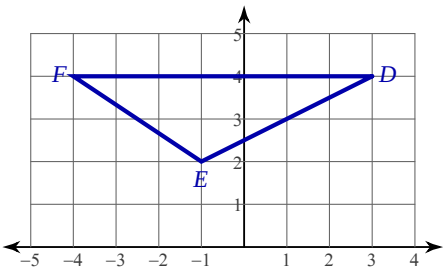
6)



A) $\left(-\frac{10}{3}, \frac{5}{3}\right)$ B) $\left(-\frac{11}{3}, \frac{2}{3}\right)$

C) $\left(-\frac{10}{3}, 1\right)$ D) $\left(-3, \frac{2}{3}\right)$

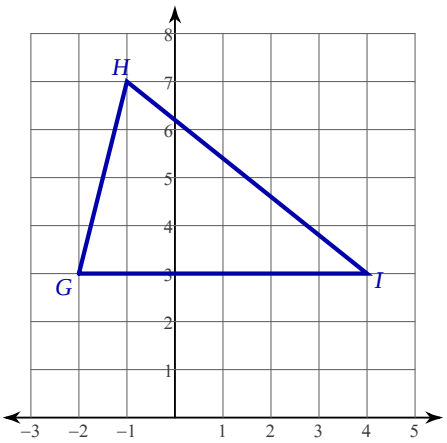
7)



A) $(-1, 4)$ B) $\left(-\frac{2}{3}, \frac{10}{3}\right)$

C) $\left(0, \frac{10}{3}\right)$ D) $\left(0, \frac{11}{3}\right)$

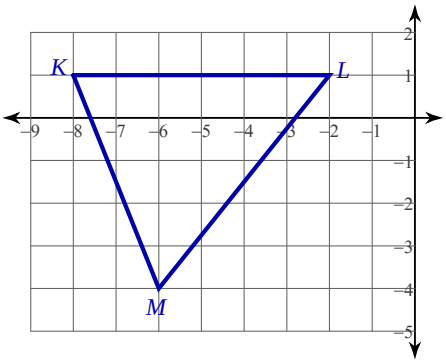
8)



A) $(0, 5)$ B) $\left(0, \frac{14}{3}\right)$

C) $\left(1, \frac{14}{3}\right)$ D) $\left(\frac{1}{3}, \frac{13}{3}\right)$

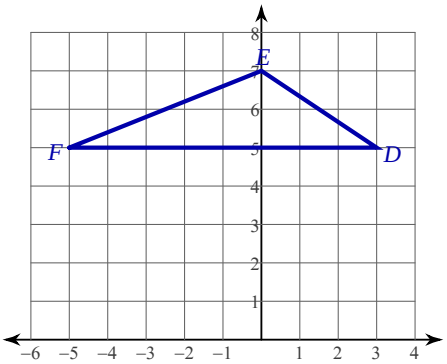
9)



A) $\left(-\frac{14}{3}, -1\right)$ B) $\left(-5, -\frac{2}{3}\right)$

C) $\left(-\frac{16}{3}, -\frac{2}{3}\right)$ D) $\left(-\frac{17}{3}, -\frac{2}{3}\right)$

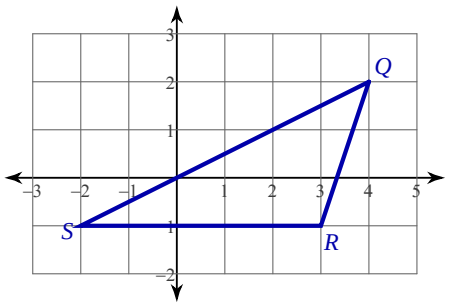
10)



A) $\left(-\frac{2}{3}, \frac{17}{3}\right)$ B) $\left(-\frac{1}{3}, \frac{17}{3}\right)$

C) $\left(-\frac{1}{3}, 6\right)$ D) $\left(-\frac{4}{3}, \frac{19}{3}\right)$

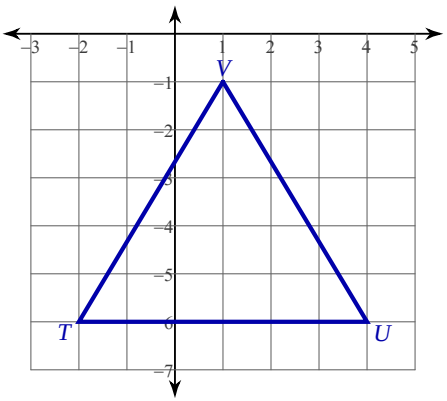
11)



A) $\left(\frac{5}{3}, 0\right)$ B) $\left(\frac{5}{3}, -\frac{2}{3}\right)$

C) $\left(2, \frac{2}{3}\right)$ D) $\left(\frac{4}{3}, 0\right)$

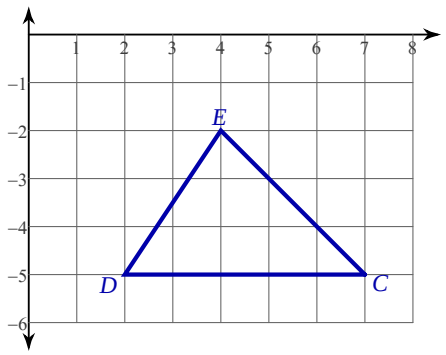
12)



A) $\left(\frac{2}{3}, -\frac{13}{3}\right)$ B) $\left(\frac{1}{3}, -5\right)$

C) $\left(\frac{2}{3}, -\frac{14}{3}\right)$ D) $\left(1, -\frac{13}{3}\right)$

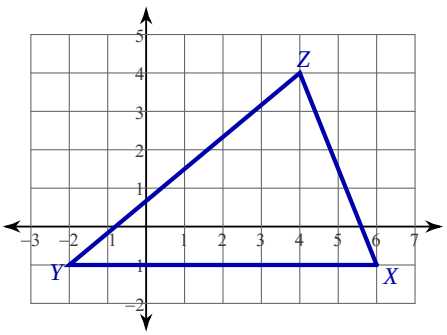
13)



A) $\left(\frac{13}{3}, -\frac{10}{3}\right)$ B) $\left(\frac{13}{3}, -\frac{14}{3}\right)$

C) $\left(5, -\frac{13}{3}\right)$ D) $\left(\frac{13}{3}, -4\right)$

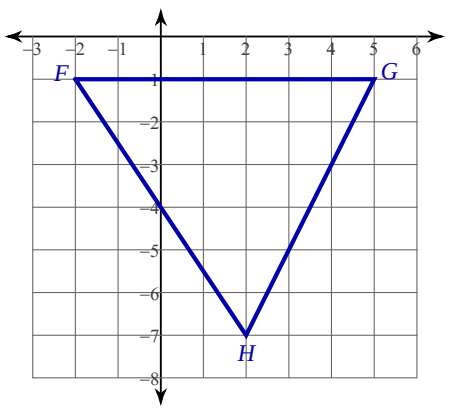
14)



A) $\left(\frac{7}{3}, \frac{1}{3}\right)$ B) $\left(\frac{10}{3}, \frac{4}{3}\right)$

C) $\left(\frac{8}{3}, \frac{2}{3}\right)$ D) $\left(3, \frac{1}{3}\right)$

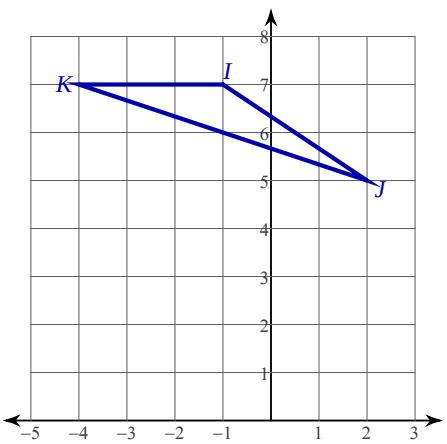
15)



A) $\left(\frac{4}{3}, -\frac{11}{3}\right)$ B) $\left(2, -\frac{10}{3}\right)$

C) $\left(\frac{5}{3}, -3\right)$ D) $\left(\frac{7}{3}, -\frac{7}{3}\right)$

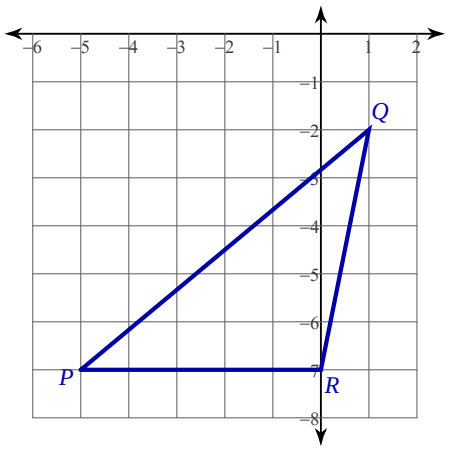
16)



A) $\left(-1, \frac{19}{3}\right)$ B) $\left(-\frac{1}{3}, 7\right)$

C) $\left(-\frac{1}{3}, \frac{19}{3}\right)$ D) $\left(-\frac{2}{3}, 7\right)$

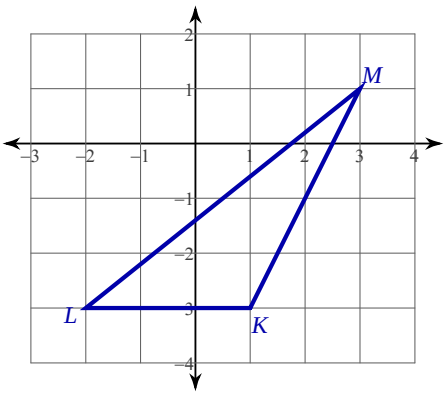
17)



A) $\left(-1, -\frac{14}{3}\right)$ B) $(-2, -6)$

C) $\left(-\frac{4}{3}, -\frac{16}{3}\right)$ D) $\left(-\frac{2}{3}, -5\right)$

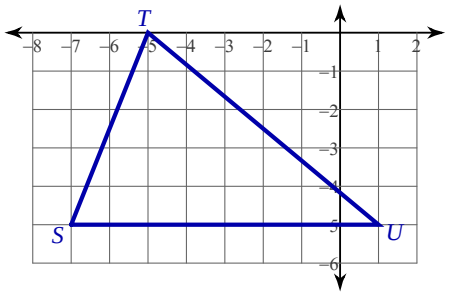
18)



A) $\left(\frac{1}{3}, -\frac{4}{3}\right)$ B) $\left(\frac{2}{3}, -1\right)$

C) $\left(\frac{2}{3}, -\frac{5}{3}\right)$ D) $\left(1, -\frac{5}{3}\right)$

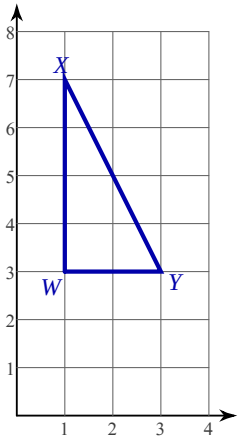
19)



A) $\left(-3, -\frac{11}{3}\right)$ B) $(-3, -4)$

C) $\left(-\frac{10}{3}, -4\right)$ D) $\left(-\frac{11}{3}, -\frac{10}{3}\right)$

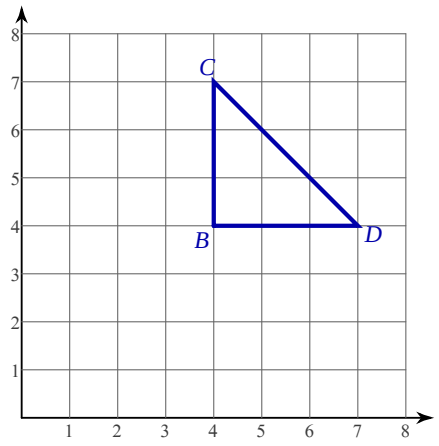
20)



A) $\left(\frac{4}{3}, \frac{13}{3}\right)$ B) $\left(\frac{4}{3}, \frac{14}{3}\right)$

C) $\left(\frac{4}{3}, 4\right)$ D) $\left(\frac{5}{3}, \frac{13}{3}\right)$

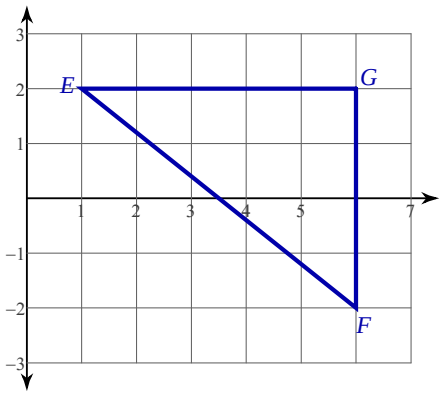
21)



A) $\left(\frac{16}{3}, \frac{17}{3}\right)$ B) $(5, 5)$

C) $\left(\frac{13}{3}, \frac{13}{3}\right)$ D) $\left(\frac{13}{3}, \frac{17}{3}\right)$

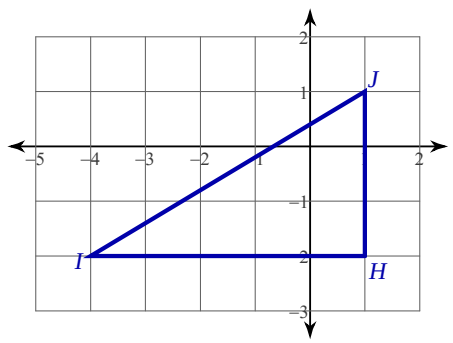
22)



A) $\left(\frac{13}{3}, \frac{2}{3}\right)$ B) $\left(\frac{14}{3}, 0\right)$

C) $(5, 0)$ D) $\left(4, \frac{4}{3}\right)$

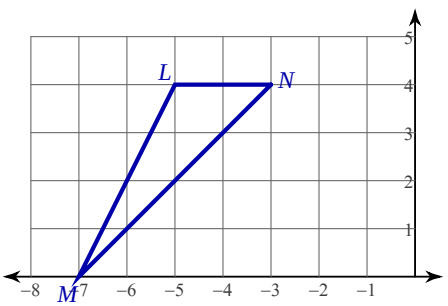
23)



A) $(0, -1)$ B) $\left(0, -\frac{5}{3}\right)$

C) $\left(-\frac{2}{3}, -1\right)$ D) $\left(-1, -\frac{1}{3}\right)$

24)



A) $\left(-\frac{13}{3}, 2\right)$ B) $\left(-\frac{14}{3}, \frac{7}{3}\right)$

C) $\left(-5, \frac{8}{3}\right)$ D) $\left(-\frac{17}{3}, \frac{8}{3}\right)$

Answers to Assignment (ID: 4)

1) A
2) C
3) C
4) B
5) B
6) C
7) B
8) D
9) C
10) A
11) A
12) D
13) D
14) C
15) C
16) A
17) C
18) C
19) D
20) D
21) B
22) A
23) C
24) C

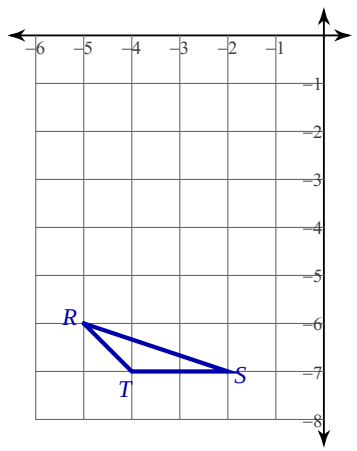
Geometry Name_____

Assignment

Date_____ Period____

Find coordinates of the centroid of each triangle.

1)



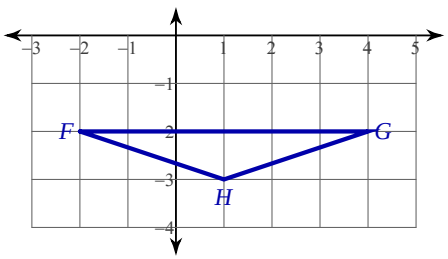
A) $\left(-\frac{10}{3}, -\frac{20}{3}\right)$

B) $\left(-\frac{11}{3}, -\frac{20}{3}\right)$

C) $\left(-\frac{13}{3}, -\frac{19}{3}\right)$

D) $\left(-\frac{11}{3}, -6\right)$

2)



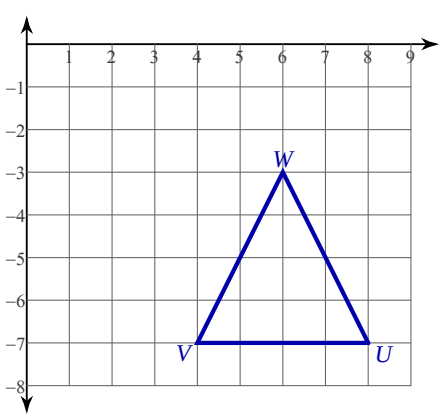
A) $\left(\frac{5}{3}, -3\right)$

B) $\left(\frac{2}{3}, -3\right)$

C) $\left(\frac{1}{3}, -\frac{7}{3}\right)$

D) $\left(1, -\frac{7}{3}\right)$

3)



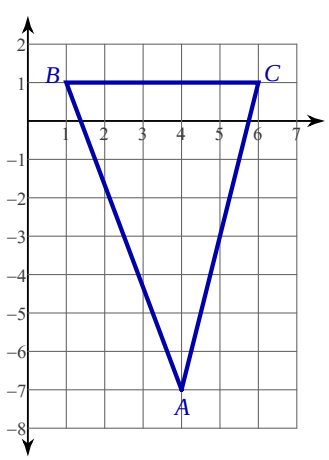
A) $\left(\frac{16}{3}, -5\right)$

B) $\left(\frac{17}{3}, -5\right)$

C) $\left(6, -\frac{17}{3}\right)$

D) $\left(\frac{17}{3}, -\frac{16}{3}\right)$

4)



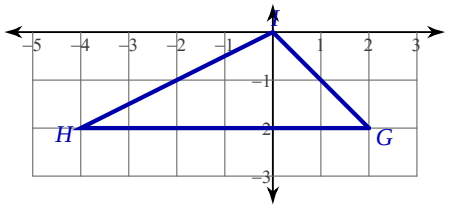
A) $\left(4, -\frac{4}{3}\right)$

B) $\left(\frac{10}{3}, -2\right)$

C) $\left(\frac{10}{3}, -\frac{5}{3}\right)$

D) $\left(\frac{11}{3}, -\frac{5}{3}\right)$

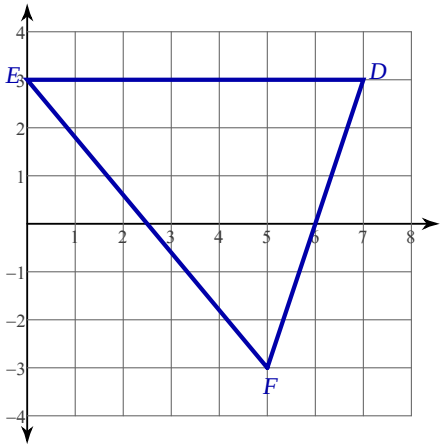
5)



A) $\left(-1, -\frac{4}{3}\right)$ B) $\left(-\frac{2}{3}, -\frac{4}{3}\right)$

C) $\left(-\frac{2}{3}, -\frac{5}{3}\right)$ D) $\left(-\frac{1}{3}, -\frac{5}{3}\right)$

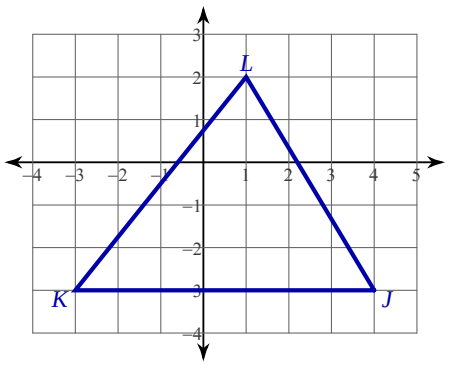
6)



A) $(4, 1)$ B) $\left(\frac{11}{3}, 1\right)$

C) $\left(\frac{13}{3}, \frac{1}{3}\right)$ D) $\left(\frac{14}{3}, 1\right)$

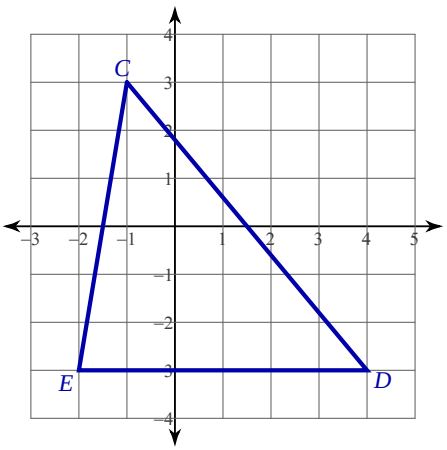
7)



A) $(0, -2)$ B) $\left(\frac{2}{3}, -\frac{4}{3}\right)$

C) $\left(\frac{2}{3}, -1\right)$ D) $\left(\frac{1}{3}, -\frac{2}{3}\right)$

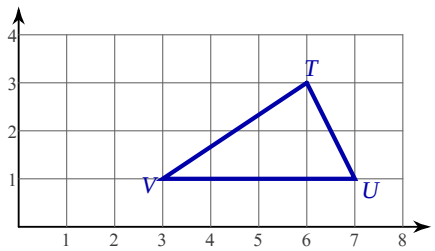
8)



A) $\left(\frac{1}{3}, -1\right)$ B) $\left(0, -\frac{5}{3}\right)$

C) $\left(\frac{1}{3}, -\frac{1}{3}\right)$ D) $\left(1, -\frac{5}{3}\right)$

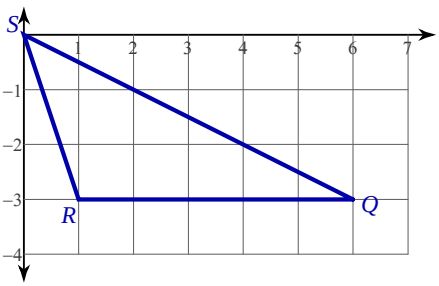
9)



A) $\left(\frac{17}{3}, 2\right)$ B) $\left(5, \frac{5}{3}\right)$

C) $\left(\frac{16}{3}, \frac{5}{3}\right)$ D) $\left(\frac{14}{3}, \frac{4}{3}\right)$

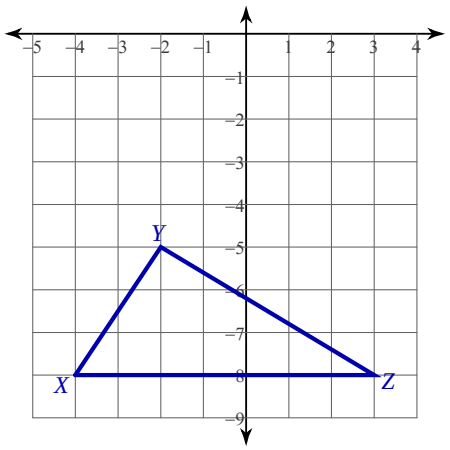
10)



A) $\left(\frac{5}{3}, -\frac{8}{3}\right)$ B) $\left(\frac{8}{3}, -2\right)$

C) $\left(\frac{7}{3}, -2\right)$ D) $\left(\frac{7}{3}, -\frac{8}{3}\right)$

11)



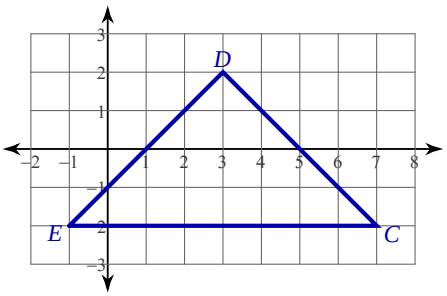
A) $(-1, -7)$

B) $\left(-\frac{2}{3}, -\frac{22}{3}\right)$

C) $\left(-\frac{4}{3}, -7\right)$

D) $\left(-\frac{4}{3}, -\frac{22}{3}\right)$

12)



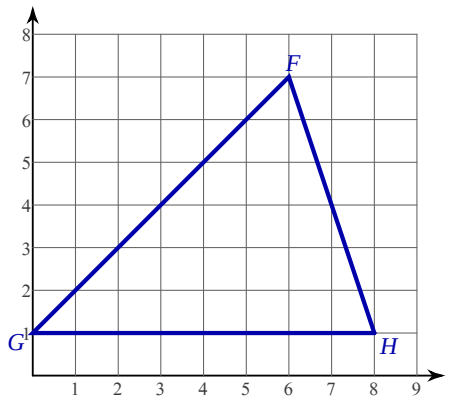
A) $\left(\frac{10}{3}, -1\right)$

B) $\left(3, -\frac{2}{3}\right)$

C) $\left(3, -\frac{1}{3}\right)$

D) $\left(\frac{10}{3}, -\frac{2}{3}\right)$

13)



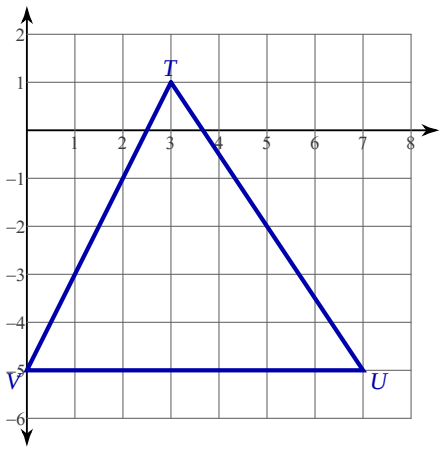
A) $\left(4, \frac{8}{3}\right)$

B) $\left(\frac{14}{3}, 3\right)$

C) $(5, 3)$

D) $\left(5, \frac{7}{3}\right)$

14)



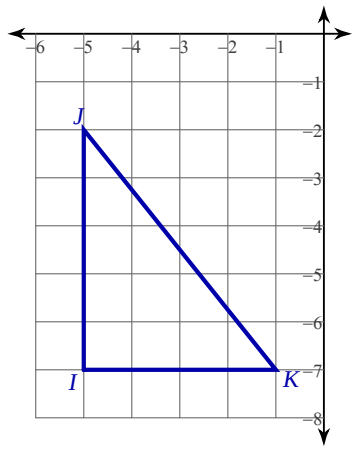
A) $\left(\frac{10}{3}, -\frac{10}{3}\right)$

B) $\left(\frac{10}{3}, -\frac{7}{3}\right)$

C) $\left(\frac{10}{3}, -\frac{8}{3}\right)$

D) $\left(\frac{10}{3}, -3\right)$

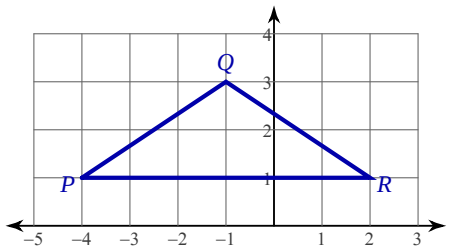
15)



A) $\left(-\frac{11}{3}, -\frac{16}{3}\right)$ B) $\left(-4, -\frac{14}{3}\right)$

C) $(-3, -5)$ D) $\left(-\frac{11}{3}, -6\right)$

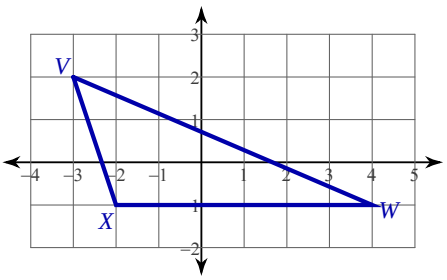
16)



A) $\left(-1, \frac{5}{3}\right)$ B) $\left(-\frac{5}{3}, 2\right)$

C) $\left(-1, \frac{4}{3}\right)$ D) $\left(-\frac{4}{3}, \frac{7}{3}\right)$

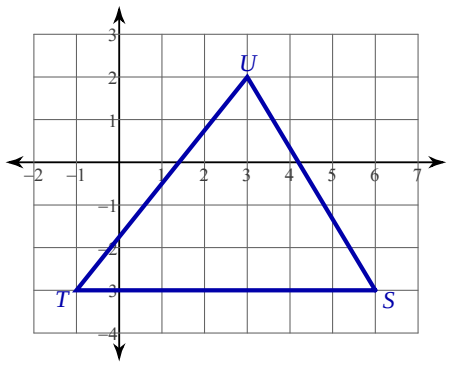
17)



A) $\left(-\frac{1}{3}, 0\right)$ B) $(0, 0)$

C) $\left(-1, -\frac{1}{3}\right)$ D) $\left(0, \frac{1}{3}\right)$

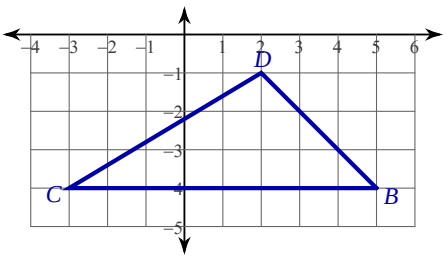
18)



A) $\left(\frac{8}{3}, -\frac{4}{3}\right)$ B) $\left(\frac{10}{3}, -\frac{5}{3}\right)$

C) $\left(2, -\frac{5}{3}\right)$ D) $\left(\frac{7}{3}, -\frac{4}{3}\right)$

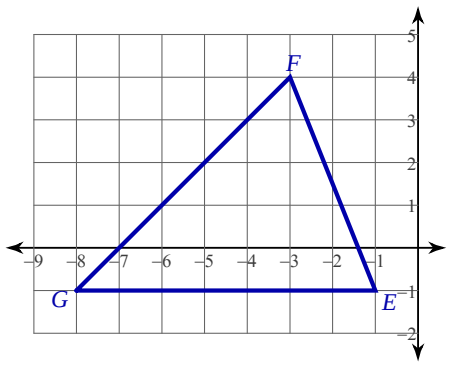
19)



A) $\left(\frac{4}{3}, -\frac{11}{3}\right)$ B) $\left(1, -\frac{8}{3}\right)$

C) $\left(\frac{4}{3}, -3\right)$ D) $\left(\frac{5}{3}, -\frac{10}{3}\right)$

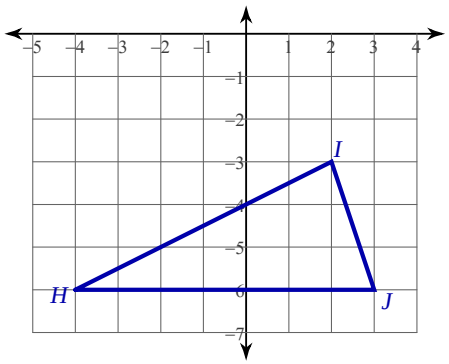
20)



A) $\left(-4, \frac{2}{3}\right)$ B) $\left(-\frac{11}{3}, \frac{4}{3}\right)$

C) $(-4, 1)$ D) $\left(-\frac{13}{3}, \frac{4}{3}\right)$

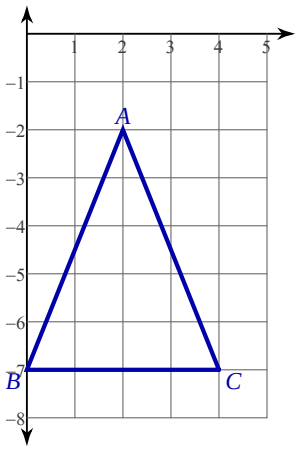
21)



A) $\left(-\frac{1}{3}, -5\right)$ B) $\left(\frac{1}{3}, -5\right)$

C) $\left(1, -\frac{17}{3}\right)$ D) $\left(-\frac{1}{3}, -\frac{14}{3}\right)$

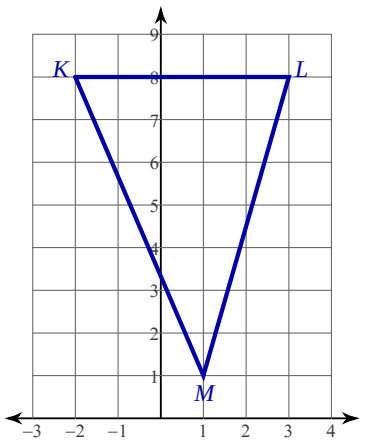
22)



A) $\left(\frac{7}{3}, -\frac{16}{3}\right)$ B) $\left(\frac{8}{3}, -\frac{14}{3}\right)$

C) $\left(2, -\frac{16}{3}\right)$ D) $\left(\frac{8}{3}, -\frac{16}{3}\right)$

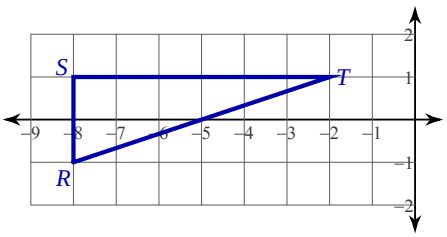
23)



A) $\left(\frac{4}{3}, 6\right)$ B) $\left(\frac{2}{3}, \frac{19}{3}\right)$

C) $\left(\frac{1}{3}, 5\right)$ D) $\left(\frac{2}{3}, \frac{17}{3}\right)$

24)



A) $\left(-6, -\frac{1}{3}\right)$ B) $\left(-6, \frac{1}{3}\right)$

C) $\left(-\frac{16}{3}, 1\right)$ D) $\left(-\frac{20}{3}, 1\right)$

Answers to Assignment (ID: 5)

1) B
2) D
3) C
4) D
5) B
6) A
7) B
8) A
9) C
10) C
11) A
12) B
13) B
14) D
15) A
16) A
17) A
18) A
19) C
20) A
21) B
22) C
23) D
24) B

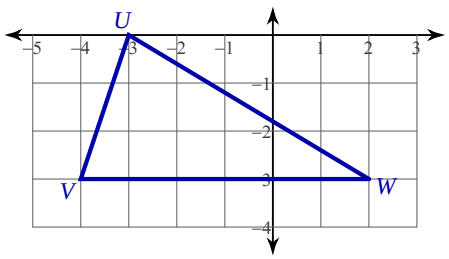
Geometry Name_____

Assignment

Date_____ Period____

Find coordinates of the centroid of each triangle.

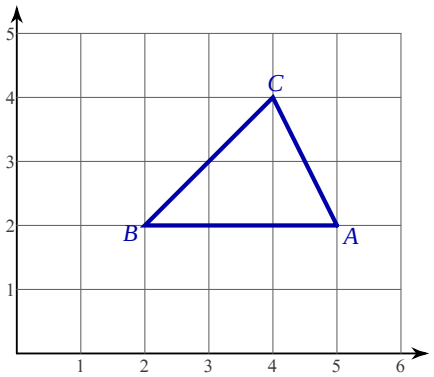
1)



A) $\left(-\frac{7}{3}, -2\right)$ B) $\left(-\frac{5}{3}, -2\right)$

C) $\left(-1, -\frac{8}{3}\right)$ D) $\left(-\frac{5}{3}, -\frac{5}{3}\right)$

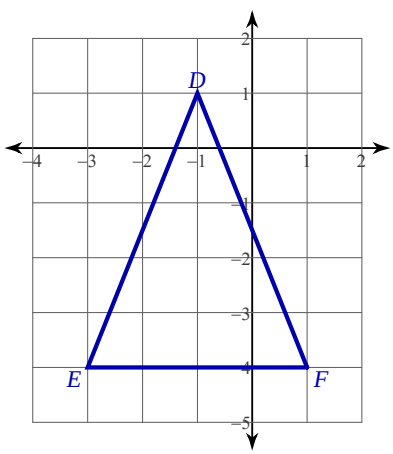
2)



A) $\left(\frac{11}{3}, \frac{8}{3}\right)$ B) $\left(\frac{13}{3}, 3\right)$

C) $(4, 3)$ D) $\left(\frac{13}{3}, \frac{8}{3}\right)$

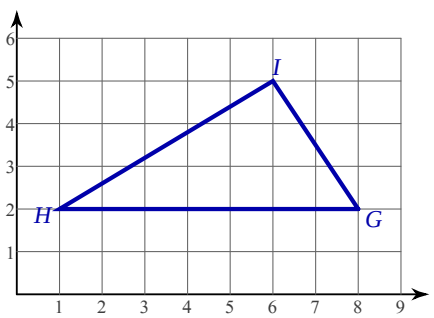
3)



A) $(-1, -2)$ B) $\left(-\frac{4}{3}, -\frac{8}{3}\right)$

C) $\left(-\frac{5}{3}, -\frac{7}{3}\right)$ D) $\left(-1, -\frac{7}{3}\right)$

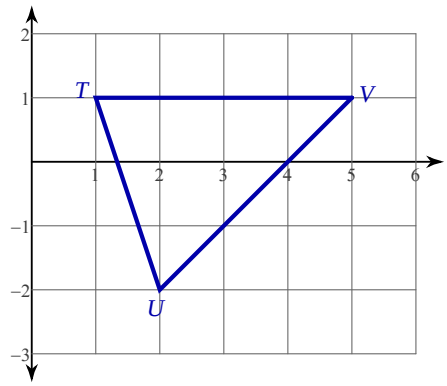
4)



A) $\left(\frac{17}{3}, \frac{8}{3}\right)$ B) $\left(\frac{16}{3}, \frac{11}{3}\right)$

C) $(5, 3)$ D) $\left(\frac{14}{3}, 3\right)$

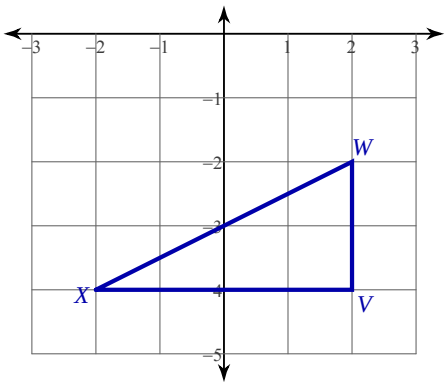
5)



A) $\left(\frac{8}{3}, -\frac{1}{3}\right)$ B) $\left(\frac{8}{3}, 0\right)$

C) $(3, 0)$ D) $\left(\frac{10}{3}, \frac{1}{3}\right)$

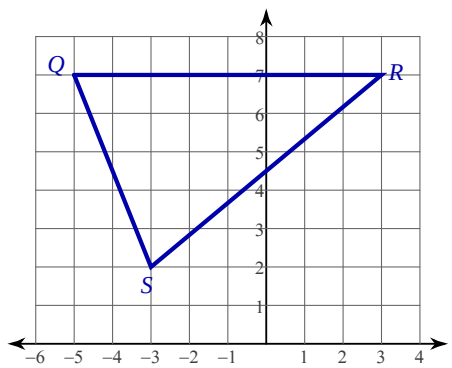
6)



A) $\left(1, -\frac{11}{3}\right)$ B) $(1, -3)$

C) $\left(\frac{2}{3}, -\frac{10}{3}\right)$ D) $\left(\frac{4}{3}, -\frac{10}{3}\right)$

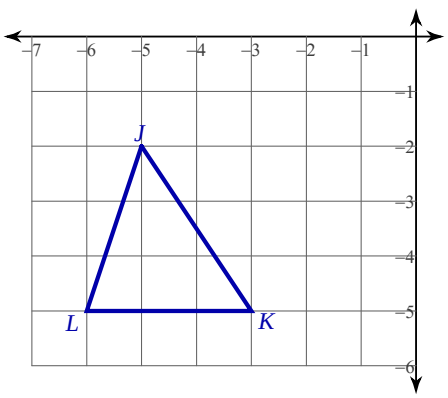
7)



A) $\left(-\frac{5}{3}, 5\right)$ B) $\left(-\frac{5}{3}, \frac{16}{3}\right)$

C) $\left(-\frac{7}{3}, \frac{16}{3}\right)$ D) $\left(-\frac{7}{3}, 6\right)$

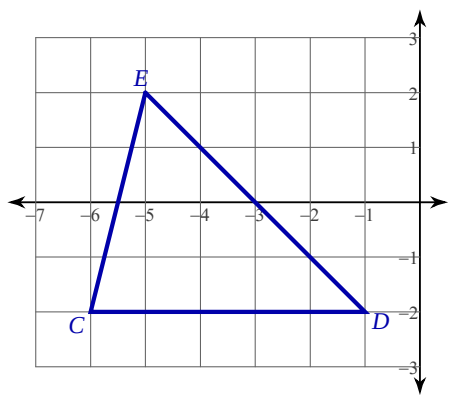
8)



A) $\left(-\frac{14}{3}, -\frac{10}{3}\right)$ B) $\left(-5, -\frac{10}{3}\right)$

C) $\left(-\frac{14}{3}, -4\right)$ D) $(-5, -4)$

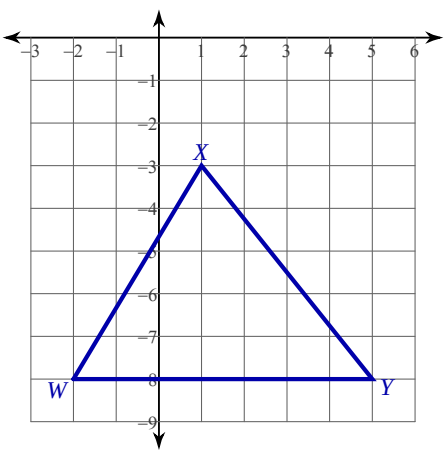
9)



A) $\left(-4, -\frac{2}{3}\right)$ B) $\left(-4, -\frac{4}{3}\right)$

C) $\left(-\frac{13}{3}, -\frac{4}{3}\right)$ D) $\left(-\frac{11}{3}, -\frac{4}{3}\right)$

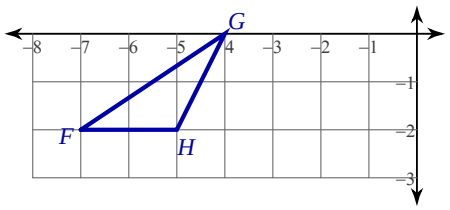
10)



A) $\left(\frac{5}{3}, -6\right)$ B) $\left(\frac{4}{3}, -\frac{19}{3}\right)$

C) $(2, -7)$ D) $\left(1, -\frac{20}{3}\right)$

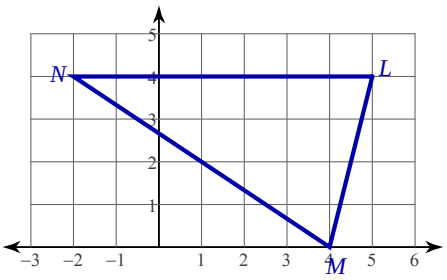
11)



A) $(-5, -1)$ B) $\left(-6, -\frac{5}{3}\right)$

C) $(-5, -2)$ D) $\left(-\frac{16}{3}, -\frac{4}{3}\right)$

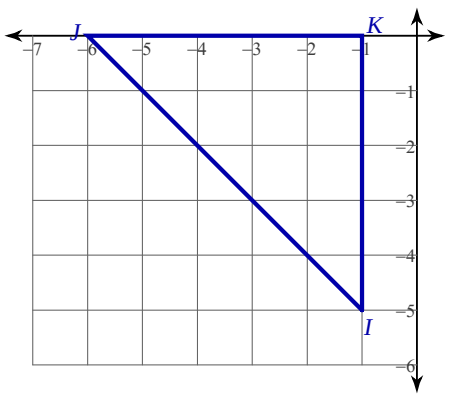
12)



A) $\left(\frac{8}{3}, 2\right)$ B) $\left(\frac{7}{3}, \frac{7}{3}\right)$

C) $\left(2, \frac{10}{3}\right)$ D) $\left(\frac{7}{3}, \frac{8}{3}\right)$

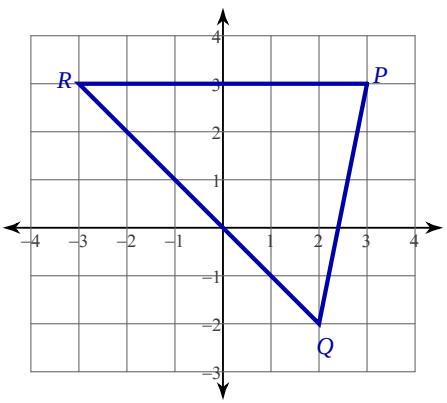
13)



A) $\left(-\frac{8}{3}, -\frac{5}{3}\right)$ B) $\left(-\frac{10}{3}, -\frac{5}{3}\right)$

C) $\left(-\frac{10}{3}, -2\right)$ D) $(-2, -1)$

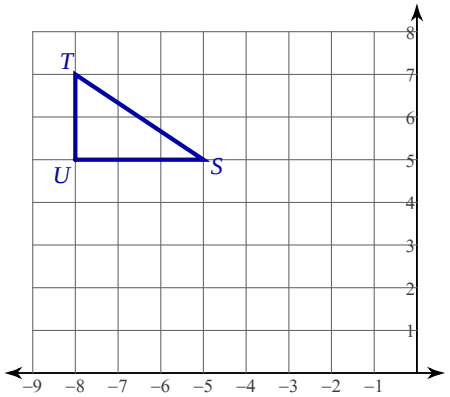
14)



A) $\left(0, \frac{2}{3}\right)$ B) $\left(\frac{2}{3}, \frac{4}{3}\right)$

C) $\left(0, \frac{4}{3}\right)$ D) $\left(\frac{4}{3}, 1\right)$

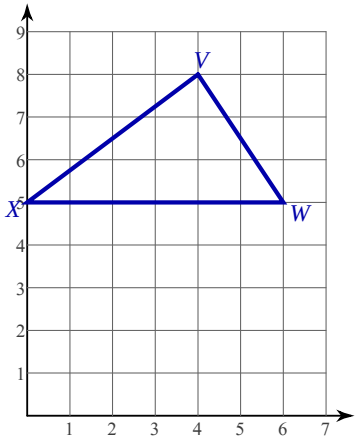
15)



A) $\left(-\frac{20}{3}, 5\right)$ B) $(-7, 5)$

C) $\left(-7, \frac{17}{3}\right)$ D) $\left(-\frac{19}{3}, \frac{17}{3}\right)$

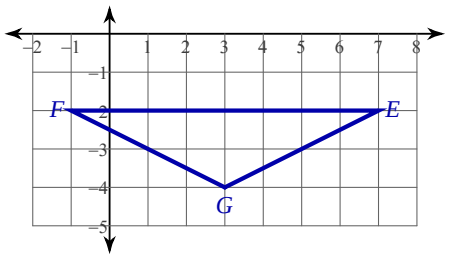
16)



A) $\left(4, \frac{17}{3}\right)$ B) $\left(\frac{10}{3}, 6\right)$

C) $\left(4, \frac{20}{3}\right)$ D) $(3, 6)$

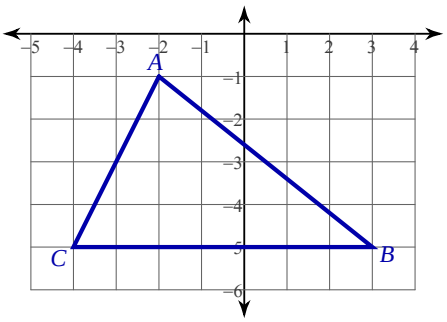
17)



A) $\left(3, -\frac{8}{3}\right)$ B) $\left(\frac{7}{3}, -\frac{10}{3}\right)$

C) $\left(\frac{10}{3}, -3\right)$ D) $\left(\frac{7}{3}, -\frac{7}{3}\right)$

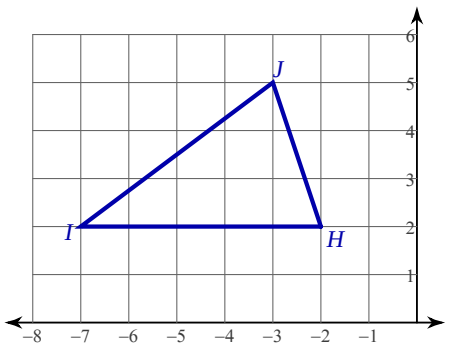
18)



A) $\left(-\frac{4}{3}, -\frac{10}{3}\right)$ B) $\left(-\frac{1}{3}, -3\right)$

C) $\left(-\frac{4}{3}, -\frac{13}{3}\right)$ D) $\left(-1, -\frac{11}{3}\right)$

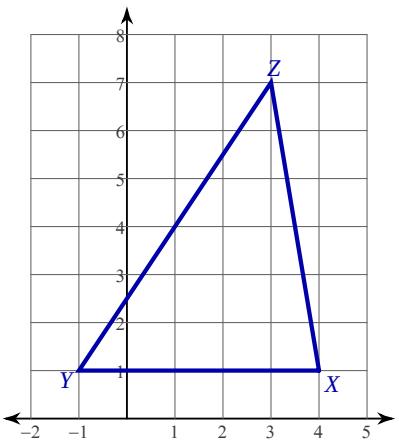
19)



A) $\left(-\frac{10}{3}, 3\right)$ B) $\left(-\frac{10}{3}, \frac{8}{3}\right)$

C) $\left(-\frac{13}{3}, \frac{11}{3}\right)$ D) $(-4, 3)$

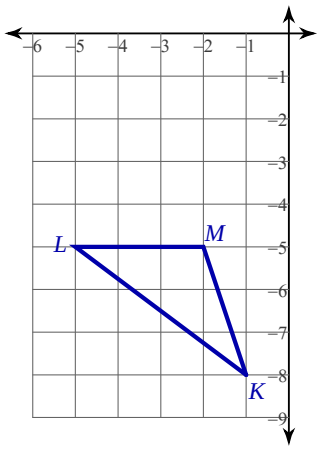
20)



A) $\left(\frac{4}{3}, \frac{7}{3}\right)$ B) $\left(\frac{4}{3}, 3\right)$

C) $\left(\frac{5}{3}, \frac{10}{3}\right)$ D) $(2, 3)$

21)

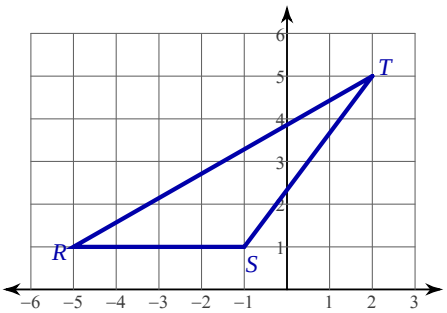


A) $\left(-2, -\frac{19}{3}\right)$

B) $\left(-\frac{8}{3}, -6\right)$

C) $\left(-\frac{10}{3}, -\frac{19}{3}\right)$

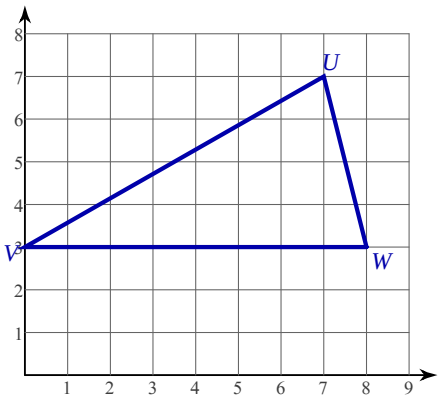
22)



A) $\left(-\frac{5}{3}, \frac{8}{3}\right)$ B) $\left(-\frac{4}{3}, \frac{7}{3}\right)$

C) $\left(-\frac{5}{3}, \frac{5}{3}\right)$ D) $\left(-2, \frac{5}{3}\right)$

23)



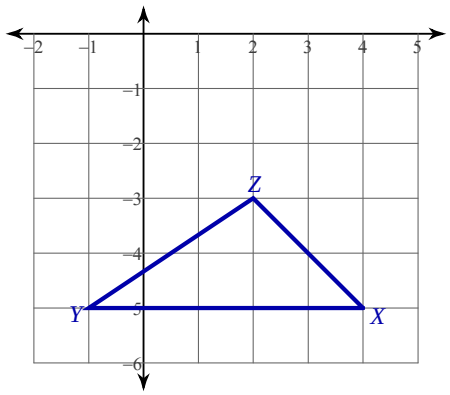
A) $\left(\frac{14}{3}, \frac{14}{3}\right)$

B) $\left(\frac{16}{3}, \frac{13}{3}\right)$

C) $\left(5, \frac{13}{3}\right)$

D) $\left(5, \frac{11}{3}\right)$

24)



A) $\left(\frac{5}{3}, -\frac{13}{3}\right)$

B) $\left(\frac{4}{3}, -5\right)$

C) $\left(1, -\frac{11}{3}\right)$

D) $\left(1, -\frac{14}{3}\right)$

Answers to Assignment (ID: 6)

1) B
2) A
3) D
4) C
5) B
6) C
7) B
8) C
9) A
10) B
11) D
12) D
13) A
14) B
15) C
16) B
17) A
18) D
19) D
20) D
21) B
22) B
23) C
24) A

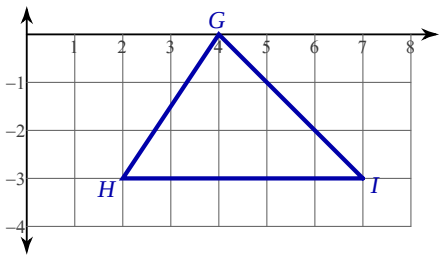
Geometry Name_____

Assignment

Date_____ Period____

Find coordinates of the centroid of each triangle.

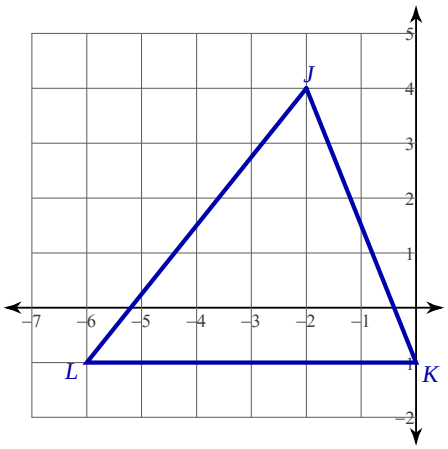
1)



A) $\left(\frac{13}{3}, -2\right)$ B) $\left(\frac{11}{3}, -\frac{7}{3}\right)$

C) $\left(4, -\frac{4}{3}\right)$ D) $(5, -2)$

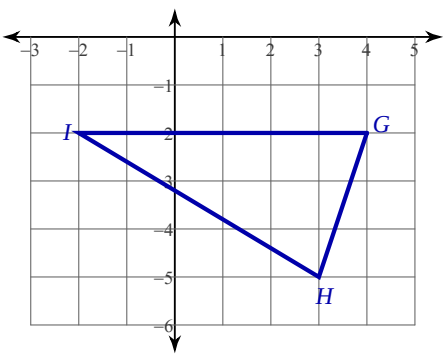
2)



A) $\left(-\frac{8}{3}, \frac{2}{3}\right)$ B) $\left(-\frac{10}{3}, \frac{4}{3}\right)$

C) $(-2, 1)$ D) $\left(-3, \frac{1}{3}\right)$

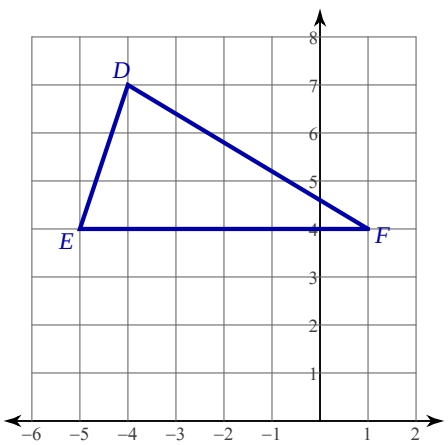
3)



A) $\left(\frac{7}{3}, -\frac{11}{3}\right)$ B) $\left(\frac{4}{3}, -\frac{10}{3}\right)$

C) $\left(\frac{5}{3}, -\frac{8}{3}\right)$ D) $\left(\frac{5}{3}, -3\right)$

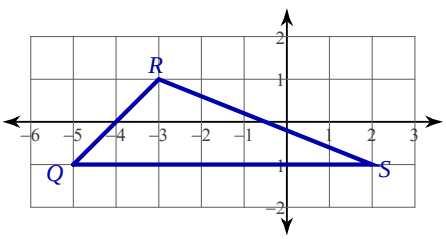
4)



A) $\left(-\frac{7}{3}, \frac{16}{3}\right)$ B) $\left(-\frac{8}{3}, 5\right)$

C) $\left(-\frac{7}{3}, \frac{13}{3}\right)$ D) $\left(-\frac{10}{3}, \frac{16}{3}\right)$

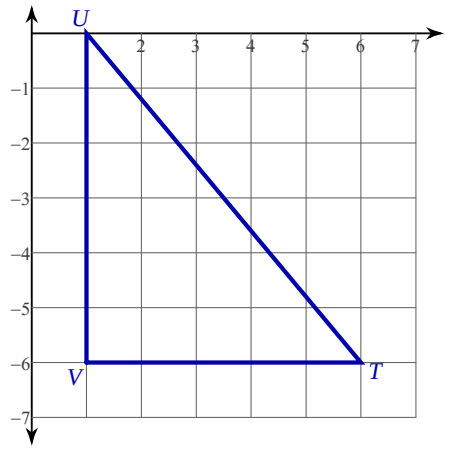
5)



A) $\left(-\frac{4}{3}, -\frac{1}{3}\right)$ B) $\left(-\frac{7}{3}, -\frac{2}{3}\right)$

C) $\left(-2, -\frac{1}{2}\right)$ D) $\left(-\frac{5}{2}, \frac{1}{2}\right)$

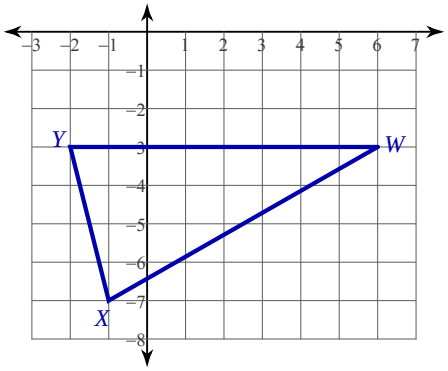
6)



A) $\left(\frac{8}{3}, -\frac{14}{3}\right)$ B) $\left(\frac{7}{3}, -\frac{11}{3}\right)$

C) $\left(3, -\frac{14}{3}\right)$ D) $\left(\frac{8}{3}, -4\right)$

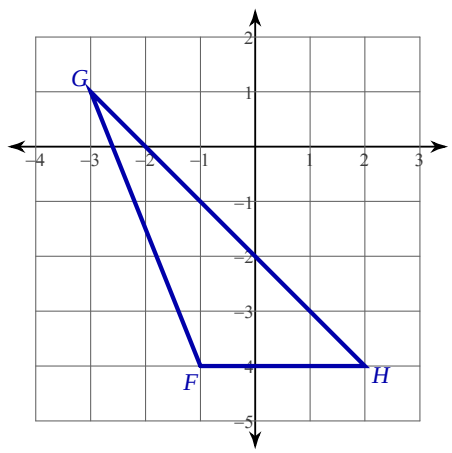
7)



A) $\left(1, -\frac{14}{3}\right)$ B) $\left(1, -\frac{13}{3}\right)$

C) $\left(\frac{1}{3}, -\frac{11}{3}\right)$ D) $\left(\frac{2}{3}, -4\right)$

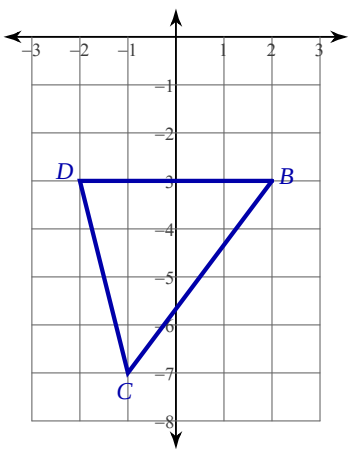
8)



A) $\left(0, -\frac{7}{3}\right)$ B) $\left(-\frac{2}{3}, -2\right)$

C) $\left(-\frac{2}{3}, -\frac{7}{3}\right)$ D) $\left(-1, -\frac{8}{3}\right)$

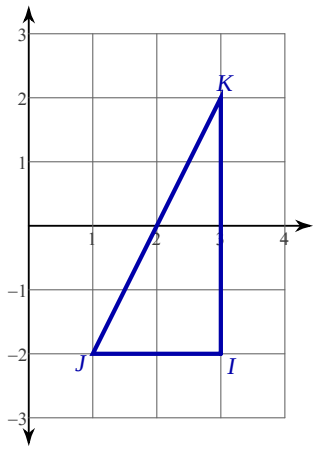
9)



A) $(0, -4)$ B) $\left(-\frac{2}{3}, -4\right)$

C) $\left(-\frac{1}{3}, -\frac{13}{3}\right)$ D) $\left(-\frac{1}{3}, -4\right)$

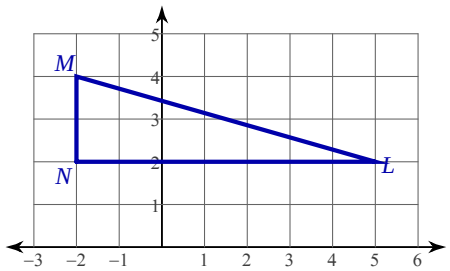
10)



A) $(3, 0)$ B) $\left(\frac{7}{3}, -\frac{2}{3}\right)$

C) $\left(\frac{7}{3}, -\frac{4}{3}\right)$ D) $(2, -1)$

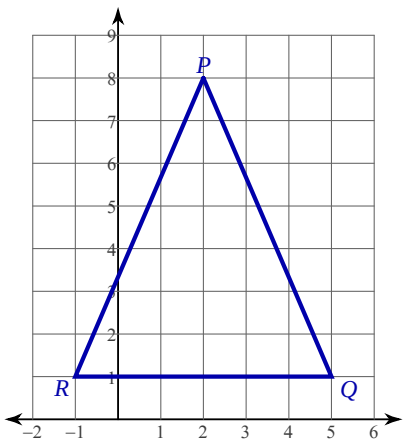
11)



A) $\left(\frac{1}{3}, \frac{8}{3}\right)$ B) $\left(-\frac{1}{3}, \frac{7}{3}\right)$

C) $\left(1, \frac{10}{3}\right)$ D) $(0, 3)$

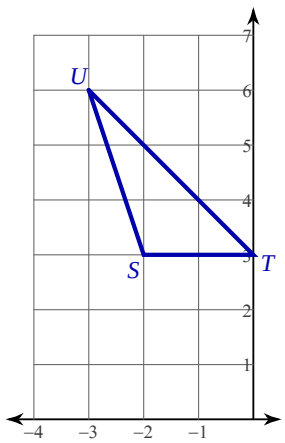
12)



A) $\left(\frac{4}{3}, \frac{10}{3}\right)$ B) $\left(\frac{8}{3}, \frac{8}{3}\right)$

C) $\left(2, \frac{10}{3}\right)$ D) $\left(2, \frac{11}{3}\right)$

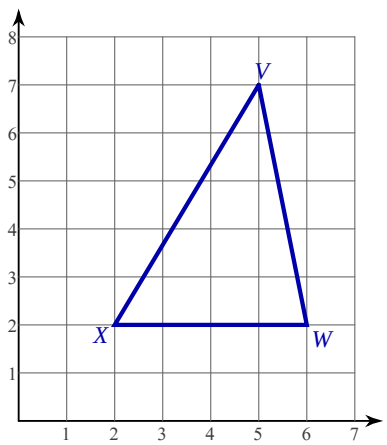
13)



A) $\left(-\frac{5}{3}, 4\right)$ B) $\left(-\frac{4}{3}, \frac{14}{3}\right)$

C) $\left(-\frac{5}{3}, \frac{14}{3}\right)$ D) $\left(-\frac{4}{3}, \frac{11}{3}\right)$

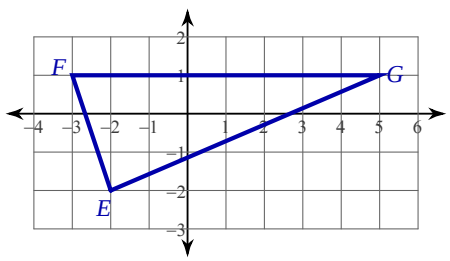
14)



A) $\left(\frac{11}{3}, \frac{13}{3}\right)$ B) $\left(5, \frac{11}{3}\right)$

C) $\left(\frac{13}{3}, \frac{11}{3}\right)$ D) $\left(\frac{11}{3}, 4\right)$

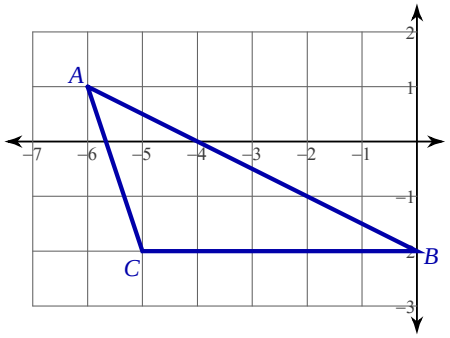
15)



A) $(0, 0)$ B) $\left(\frac{2}{3}, 0\right)$

C) $\left(\frac{2}{3}, -\frac{1}{3}\right)$ D) $\left(0, -\frac{2}{3}\right)$

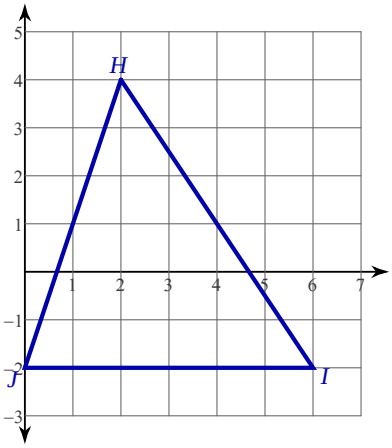
16)



A) $\left(-\frac{13}{3}, -\frac{5}{3}\right)$ B) $\left(-\frac{11}{3}, -1\right)$

C) $\left(-\frac{13}{3}, -\frac{2}{3}\right)$ D) $\left(-\frac{11}{3}, -\frac{5}{3}\right)$

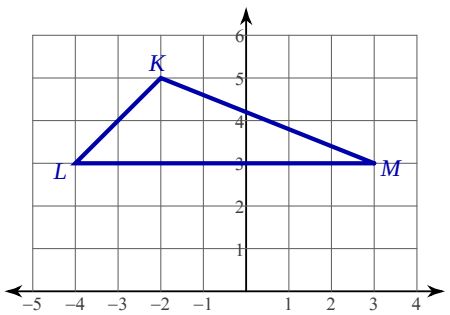
17)



A) $\left(2, \frac{2}{3}\right)$ B) $\left(\frac{7}{3}, \frac{1}{3}\right)$

C) $\left(\frac{10}{3}, -\frac{1}{3}\right)$ D) $\left(\frac{8}{3}, 0\right)$

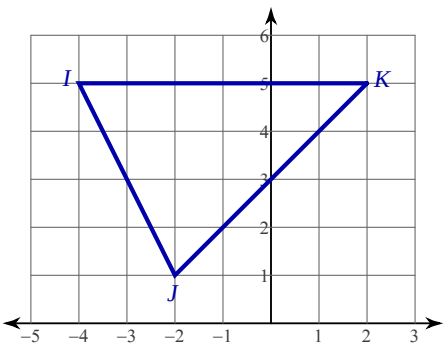
18)



A) $\left(-\frac{1}{3}, 4\right)$ B) $\left(-1, \frac{11}{3}\right)$

C) $\left(-\frac{4}{3}, \frac{11}{3}\right)$ D) $\left(-\frac{4}{3}, \frac{13}{3}\right)$

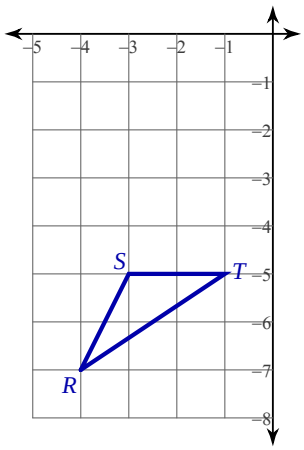
19)



A) $\left(-1, \frac{13}{3}\right)$ B) $(-1, 3)$

C) $\left(-\frac{4}{3}, \frac{11}{3}\right)$ D) $\left(-1, \frac{11}{3}\right)$

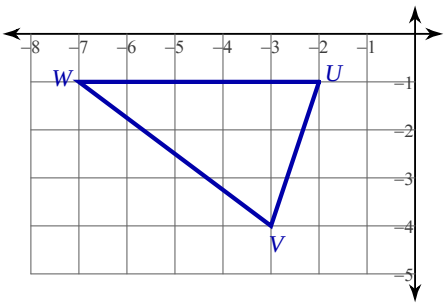
20)



A) $\left(-\frac{8}{3}, -\frac{17}{3}\right)$ B) $(-2, -5)$

C) $\left(-\frac{8}{3}, -\frac{16}{3}\right)$ D) $\left(-3, -\frac{19}{3}\right)$

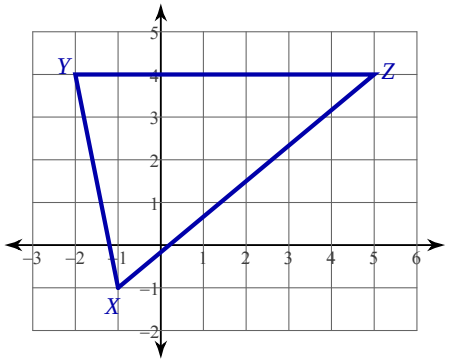
21)



A) $\left(-\frac{10}{3}, -\frac{7}{3}\right)$ B) $\left(-\frac{13}{3}, -\frac{4}{3}\right)$

C) $\left(-\frac{10}{3}, -2\right)$ D) $(-4, -2)$

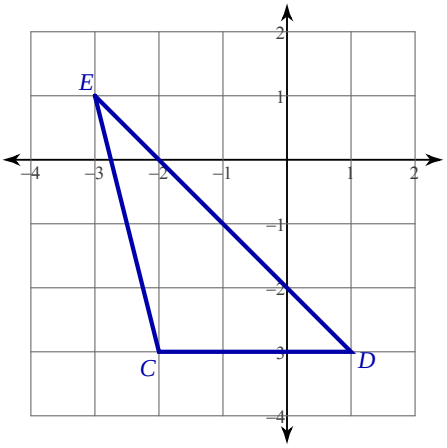
22)



A) $\left(0, \frac{8}{3}\right)$ B) $\left(\frac{1}{3}, \frac{5}{3}\right)$

C) $\left(\frac{2}{3}, \frac{7}{3}\right)$ D) $\left(\frac{1}{3}, \frac{8}{3}\right)$

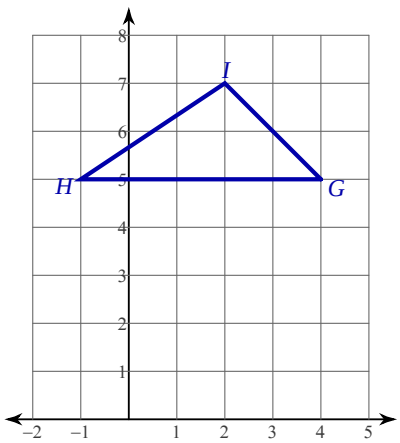
23)



A) $\left(-2, -\frac{7}{3}\right)$ B) $(-2, -2)$

C) $\left(-\frac{5}{3}, -\frac{4}{3}\right)$ D) $\left(-\frac{4}{3}, -\frac{5}{3}\right)$

24)



A) $\left(\frac{4}{3}, 6\right)$ B) $(1, 6)$

C) $\left(\frac{5}{3}, 5\right)$ D) $\left(\frac{5}{3}, \frac{17}{3}\right)$

Answers to Assignment (ID: 7)

1) A
2) A
3) D
4) B
5) C
6) D
7) B
8) C
9) C
10) B
11) A
12) C
13) A
14) C
15) A
16) B
17) D
18) B
19) C
20) A
21) D
22) C
23) D
24) D

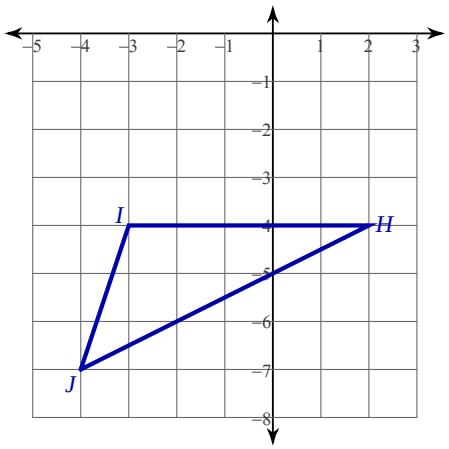
Geometry Name_____

Assignment

Date_____ Period____

Find coordinates of the centroid of each triangle.

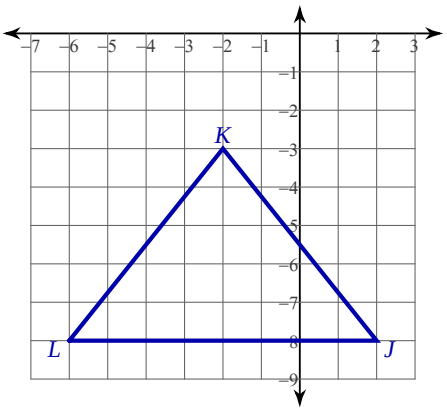
1)



A) $\left(-2, -\frac{17}{3}\right)$ B) $\left(-\frac{4}{3}, -\frac{14}{3}\right)$

C) $\left(-2, -\frac{16}{3}\right)$ D) $\left(-\frac{5}{3}, -5\right)$

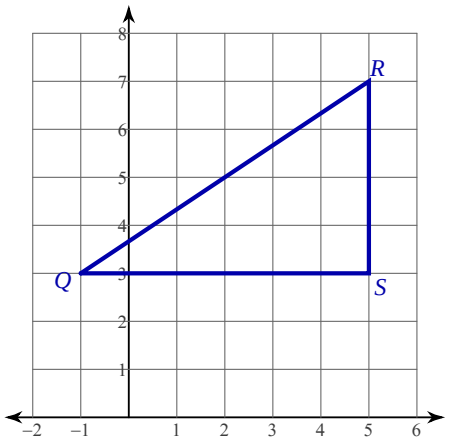
2)



A) $\left(-2, -\frac{19}{3}\right)$ B) $\left(-\frac{4}{3}, -6\right)$

C) $\left(-\frac{5}{3}, -\frac{19}{3}\right)$ D) $\left(-\frac{8}{3}, -\frac{17}{3}\right)$

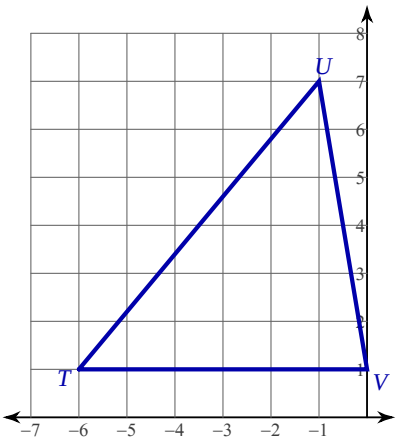
3)



A) $\left(\frac{10}{3}, 5\right)$ B) $\left(\frac{10}{3}, \frac{11}{3}\right)$

C) $\left(3, \frac{13}{3}\right)$ D) $\left(\frac{8}{3}, 4\right)$

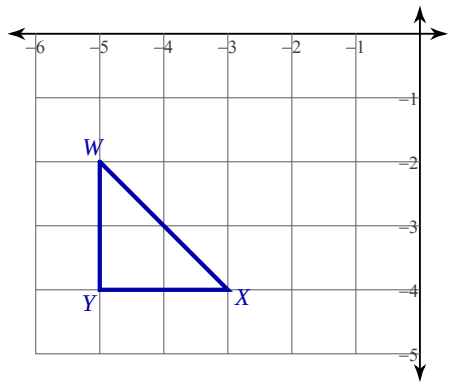
4)



A) $\left(-\frac{8}{3}, \frac{7}{3}\right)$ B) $\left(-\frac{5}{3}, \frac{11}{3}\right)$

C) $\left(-\frac{7}{3}, 3\right)$ D) $\left(-\frac{5}{3}, 3\right)$

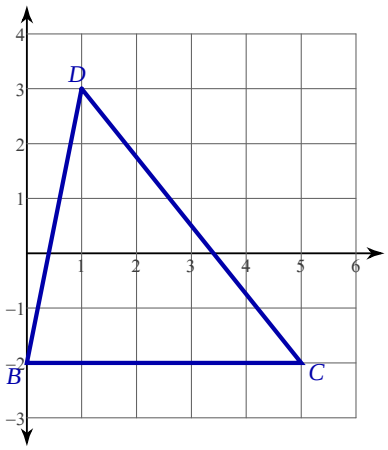
5)



A) $\left(-\frac{14}{3}, -4\right)$ B) $\left(-\frac{14}{3}, -3\right)$

C) $\left(-\frac{13}{3}, -\frac{10}{3}\right)$ D) $\left(-\frac{13}{3}, -3\right)$

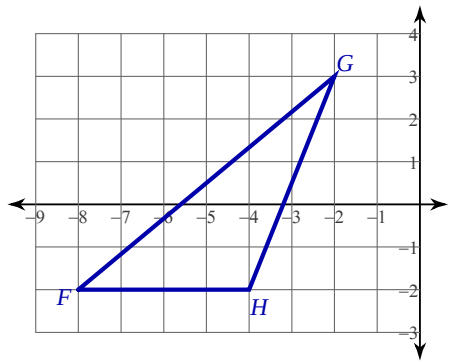
6)



A) $\left(\frac{7}{3}, \frac{1}{3}\right)$ B) $\left(2, -\frac{1}{3}\right)$

C) $\left(\frac{5}{3}, -1\right)$ D) $\left(\frac{7}{3}, -\frac{1}{3}\right)$

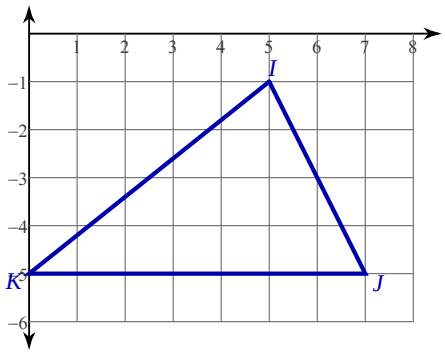
7)



A) $\left(-\frac{16}{3}, -\frac{2}{3}\right)$ B) $\left(-\frac{14}{3}, 0\right)$

C) $\left(-\frac{14}{3}, -\frac{1}{3}\right)$ D) $\left(-\frac{16}{3}, 0\right)$

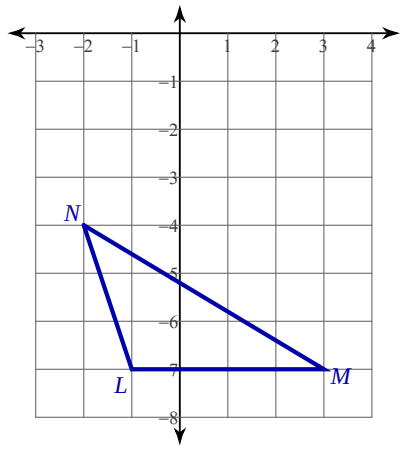
8)



A) $\left(4, -\frac{10}{3}\right)$ B) $\left(\frac{13}{3}, -3\right)$

C) $\left(4, -\frac{13}{3}\right)$ D) $\left(4, -\frac{11}{3}\right)$

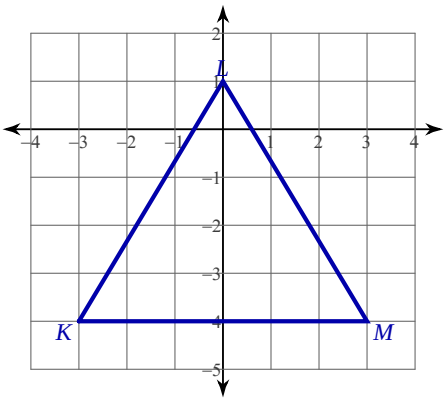
9)



A) $\left(\frac{1}{3}, -6\right)$ B) $\left(-\frac{2}{3}, -\frac{16}{3}\right)$

C) $\left(-\frac{1}{3}, -\frac{19}{3}\right)$ D) $(0, -6)$

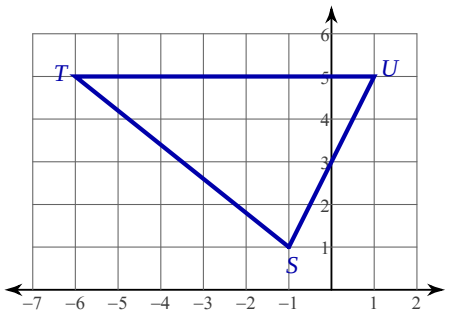
10)



A) $\left(0, -\frac{7}{3}\right)$ B) $\left(\frac{2}{3}, -\frac{7}{3}\right)$

C) $\left(-\frac{1}{3}, -\frac{7}{3}\right)$ D) $\left(\frac{2}{3}, -3\right)$

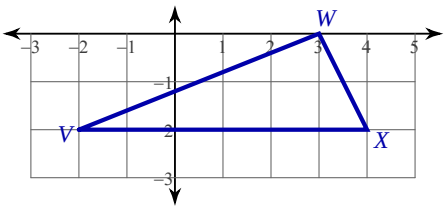
11)



A) $\left(-\frac{4}{3}, \frac{13}{3}\right)$ B) $\left(-2, \frac{11}{3}\right)$

C) $\left(-\frac{5}{3}, \frac{11}{3}\right)$ D) $\left(-\frac{4}{3}, 4\right)$

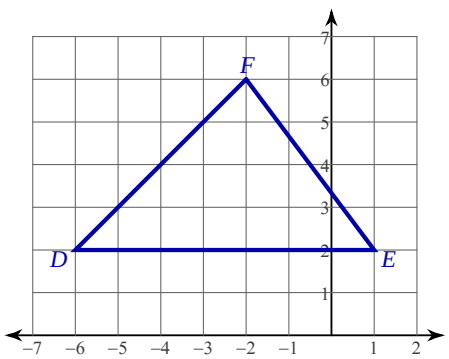
12)



A) $\left(\frac{5}{3}, -\frac{4}{3}\right)$ B) $\left(2, -\frac{4}{3}\right)$

C) $\left(\frac{7}{3}, -\frac{4}{3}\right)$ D) $\left(1, -\frac{4}{3}\right)$

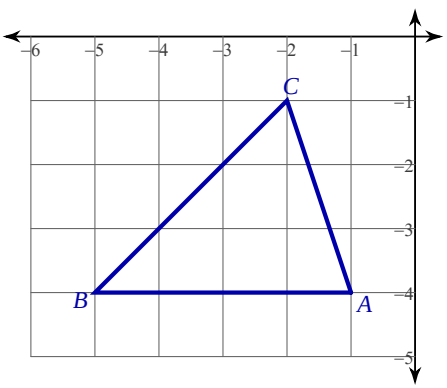
13)



A) $\left(-\frac{7}{3}, \frac{11}{3}\right)$ B) $\left(-\frac{7}{3}, \frac{10}{3}\right)$

C) $\left(-\frac{5}{3}, \frac{8}{3}\right)$ D) $(-2, 4)$

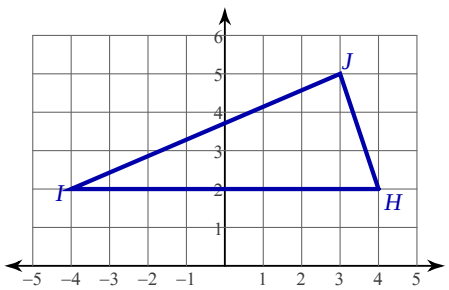
14)



A) $\left(-\frac{7}{3}, -\frac{10}{3}\right)$ B) $\left(-\frac{8}{3}, -3\right)$

C) $(-3, -3)$ D) $\left(-\frac{7}{3}, -3\right)$

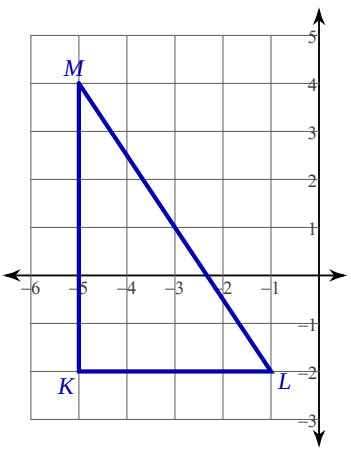
15)



A) $(1, 3)$ B) $\left(\frac{2}{3}, \frac{7}{3}\right)$

C) $\left(\frac{1}{3}, \frac{11}{3}\right)$ D) $\left(1, \frac{7}{3}\right)$

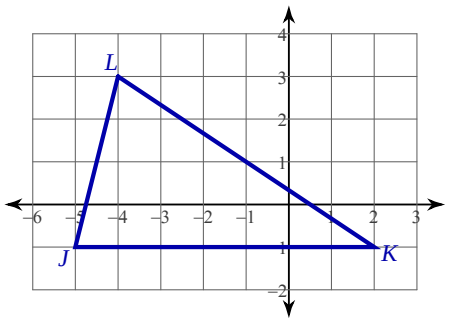
16)



A) $\left(-3, -\frac{1}{3}\right)$ B) $\left(-\frac{13}{3}, -\frac{1}{3}\right)$

C) $\left(-3, \frac{1}{3}\right)$ D) $\left(-\frac{11}{3}, 0\right)$

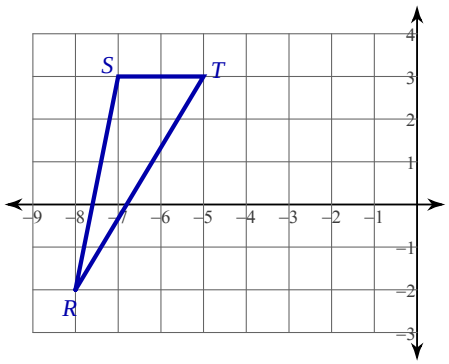
17)



A) $\left(-\frac{5}{3}, 0\right)$ B) $\left(-\frac{7}{3}, \frac{1}{3}\right)$

C) $\left(-3, \frac{1}{3}\right)$ D) $(-3, 1)$

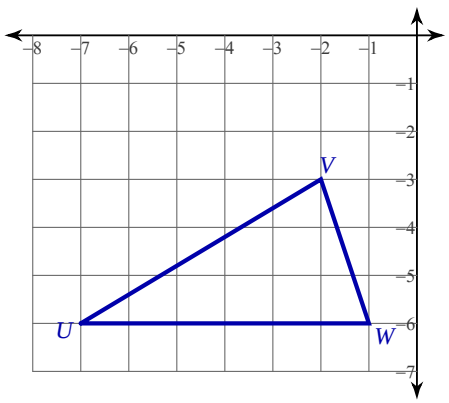
18)



A) $\left(-\frac{22}{3}, \frac{5}{3}\right)$ B) $\left(-\frac{19}{3}, 2\right)$

C) $(-7, 2)$ D) $\left(-\frac{20}{3}, \frac{4}{3}\right)$

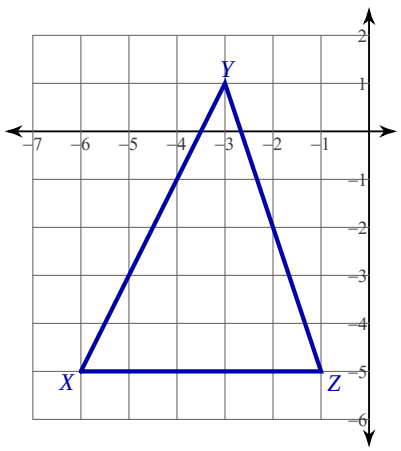
19)



A) $\left(-4, -\frac{17}{3}\right)$ B) $\left(-\frac{8}{3}, -\frac{17}{3}\right)$

C) $\left(-\frac{10}{3}, -5\right)$ D) $\left(-\frac{10}{3}, -\frac{16}{3}\right)$

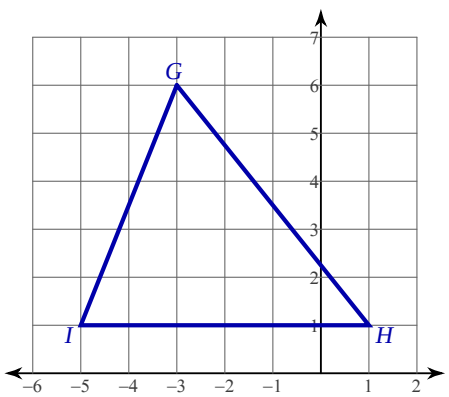
20)



A) $\left(-\frac{10}{3}, -3\right)$ B) $\left(-3, -\frac{7}{3}\right)$

C) $(-4, -3)$ D) $\left(-\frac{11}{3}, -3\right)$

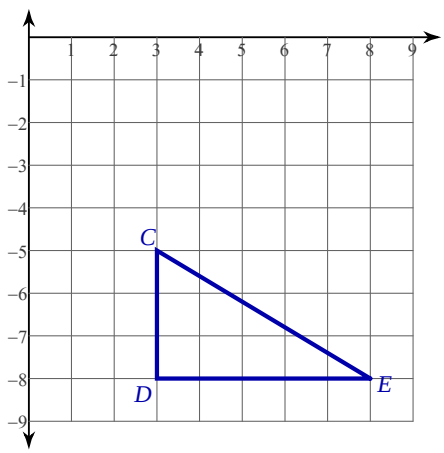
21)



A) $\left(-\frac{8}{3}, \frac{8}{3}\right)$ B) $\left(-\frac{7}{3}, \frac{8}{3}\right)$

C) $(-3, 3)$ D) $\left(-2, \frac{10}{3}\right)$

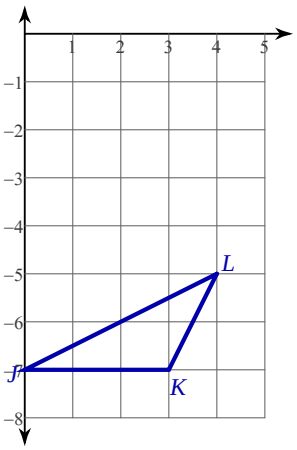
22)



A) $\left(4, -\frac{20}{3}\right)$ B) $\left(\frac{14}{3}, -\frac{19}{3}\right)$

C) $\left(\frac{14}{3}, -\frac{20}{3}\right)$ D) $\left(\frac{14}{3}, -7\right)$

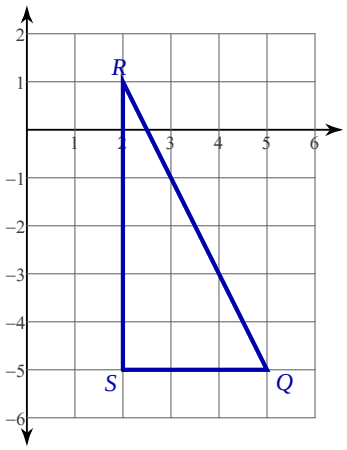
23)



A) $\left(\frac{5}{3}, -\frac{20}{3}\right)$ B) $\left(\frac{7}{3}, -\frac{19}{3}\right)$

C) $\left(\frac{5}{3}, -7\right)$ D) $\left(\frac{5}{3}, -6\right)$

24)



A) $\left(3, -\frac{10}{3}\right)$ B) $(3, -3)$

C) $\left(\frac{10}{3}, -3\right)$ D) $\left(\frac{7}{3}, -\frac{10}{3}\right)$

Answers to Assignment (ID: 8)

1) D
2) A
3) C
4) C
5) C
6) B
7) C
8) D
9) D
10) A
11) B
12) A
13) B
14) B
15) A
16) D
17) B
18) D
19) C
20) A
21) B
22) D
23) B
24) B

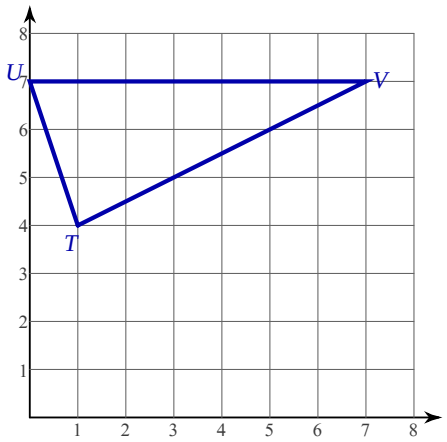
Geometry Name_____

Assignment

Date_____ Period____

Find coordinates of the centroid of each triangle.

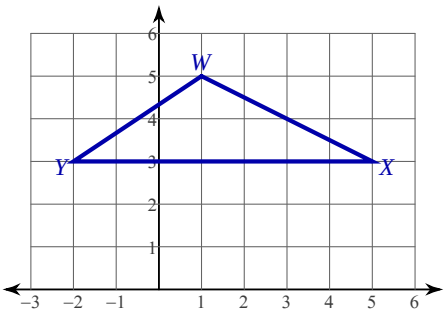
1)



A) $\left(\frac{8}{3}, 6\right)$ B) $\left(\frac{8}{3}, \frac{17}{3}\right)$

C) $\left(\frac{7}{3}, 6\right)$ D) $\left(\frac{10}{3}, \frac{20}{3}\right)$

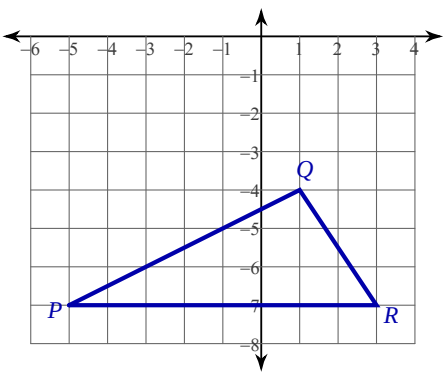
2)



A) $\left(\frac{4}{3}, \frac{13}{3}\right)$ B) $\left(2, \frac{11}{3}\right)$

C) $(1, 3)$ D) $\left(\frac{4}{3}, \frac{11}{3}\right)$

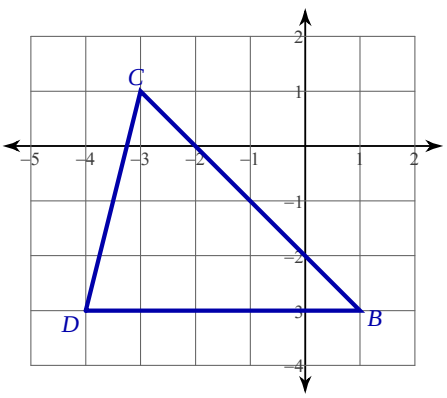
3)



A) $\left(0, -\frac{16}{3}\right)$ B) $\left(0, -\frac{17}{3}\right)$

C) $\left(-1, -\frac{16}{3}\right)$ D) $\left(-\frac{1}{3}, -6\right)$

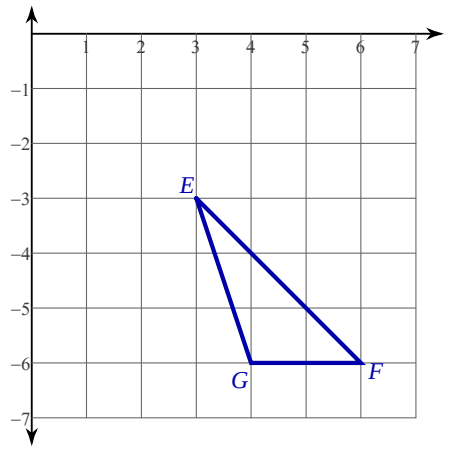
4)



A) $\left(-2, -\frac{5}{3}\right)$ B) $(-2, -2)$

C) $\left(-\frac{8}{3}, -2\right)$ D) $\left(-\frac{8}{3}, -\frac{7}{3}\right)$

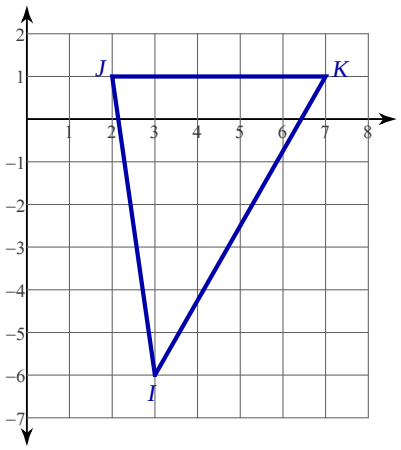
5)



A) $\left(\frac{13}{3}, -\frac{16}{3}\right)$ B) $\left(\frac{13}{3}, -5\right)$

C) $\left(\frac{11}{3}, -\frac{16}{3}\right)$ D) $(5, -5)$

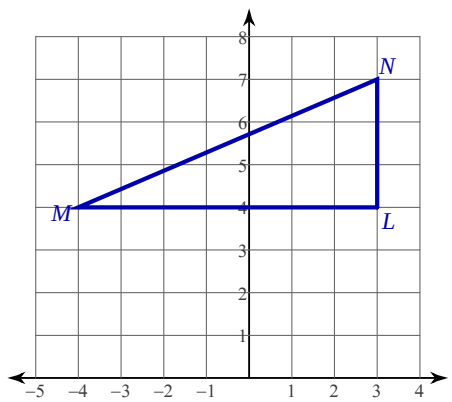
6)



A) $\left(\frac{14}{3}, -1\right)$ B) $\left(4, -\frac{4}{3}\right)$

C) $\left(\frac{14}{3}, -\frac{2}{3}\right)$ D) $\left(\frac{13}{3}, -2\right)$

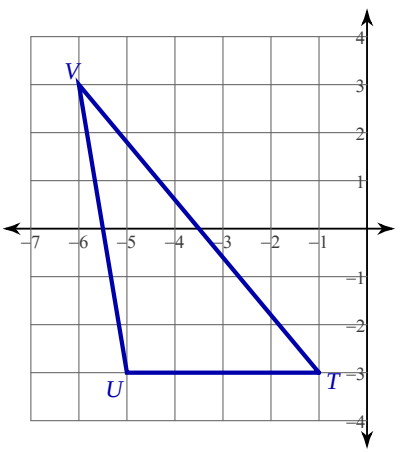
7)



A) $\left(\frac{1}{3}, 5\right)$ B) $\left(\frac{4}{3}, \frac{16}{3}\right)$

C) $\left(\frac{2}{3}, 5\right)$ D) $\left(\frac{1}{3}, \frac{17}{3}\right)$

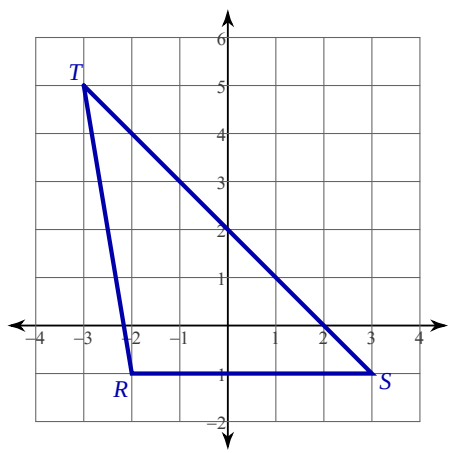
8)



A) $\left(-\frac{13}{3}, -\frac{1}{3}\right)$ B) $\left(-\frac{14}{3}, -\frac{2}{3}\right)$

C) $\left(-\frac{11}{3}, -\frac{2}{3}\right)$ D) $(-4, -1)$

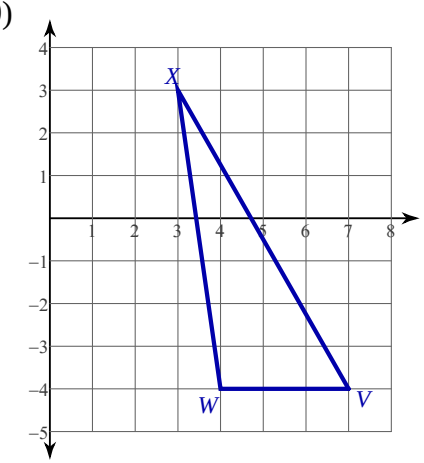
9)



A) $\left(-\frac{4}{3}, \frac{2}{3}\right)$ B) $\left(-\frac{4}{3}, 1\right)$

C) $\left(-\frac{1}{3}, \frac{4}{3}\right)$ D) $\left(-\frac{2}{3}, 1\right)$

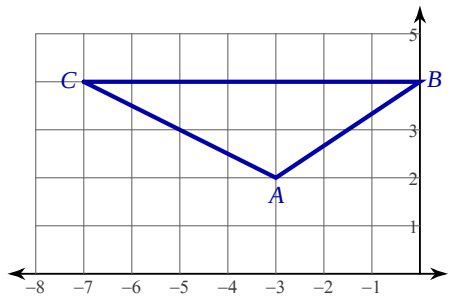
10)



A) $\left(\frac{14}{3}, -\frac{5}{3}\right)$ B) $\left(\frac{13}{3}, -1\right)$

C) $\left(\frac{16}{3}, -\frac{7}{3}\right)$ D) $\left(\frac{16}{3}, -1\right)$

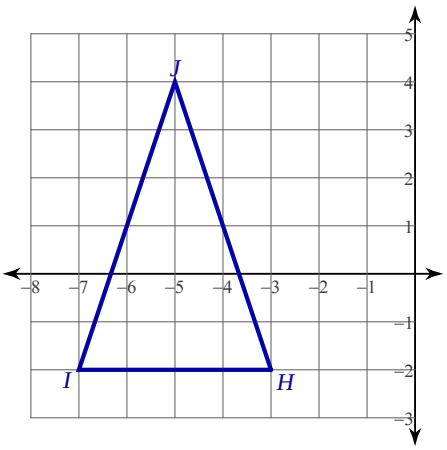
11)



A) $\left(-\frac{8}{3}, \frac{8}{3}\right)$ B) $(-3, 4)$

C) $\left(-\frac{10}{3}, \frac{10}{3}\right)$ D) $\left(-3, \frac{11}{3}\right)$

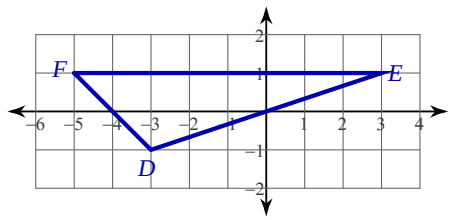
12)



A) $\left(-\frac{17}{3}, 0\right)$ B) $(-5, 0)$

C) $\left(-\frac{14}{3}, \frac{1}{3}\right)$ D) $\left(-\frac{17}{3}, \frac{1}{3}\right)$

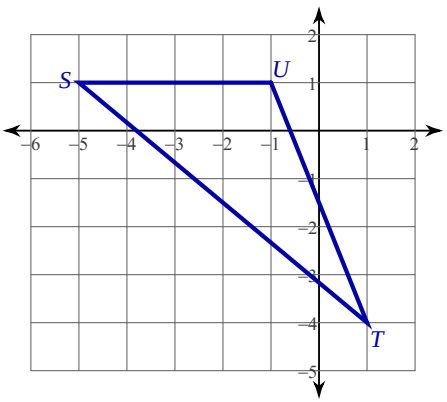
13)



A) $\left(-\frac{7}{3}, \frac{1}{3}\right)$ B) $(-1, 1)$

C) $(-2, 1)$ D) $\left(-\frac{5}{3}, \frac{1}{3}\right)$

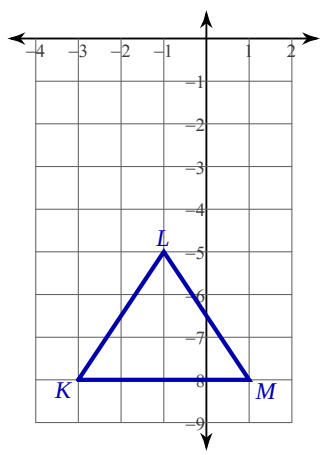
14)



A) $\left(-2, -\frac{2}{3}\right)$ B) $\left(-\frac{5}{3}, -1\right)$

C) $\left(-2, -\frac{4}{3}\right)$ D) $\left(-\frac{5}{3}, -\frac{2}{3}\right)$

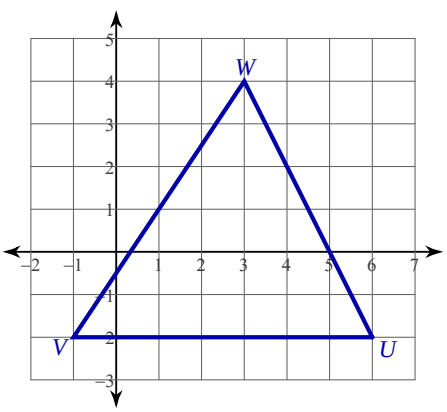
15)



A) $\left(-1, -\frac{19}{3}\right)$ B) $\left(-\frac{2}{3}, -\frac{22}{3}\right)$

C) $\left(-\frac{1}{3}, -\frac{20}{3}\right)$ D) $(-1, -7)$

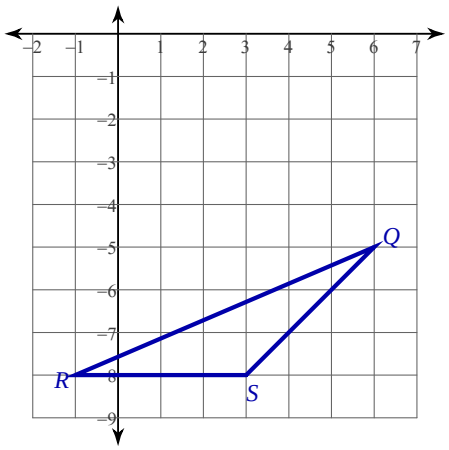
16)



A) $\left(\frac{10}{3}, 0\right)$ B) $\left(\frac{8}{3}, \frac{2}{3}\right)$

C) $\left(\frac{10}{3}, \frac{2}{3}\right)$ D) $\left(\frac{8}{3}, 0\right)$

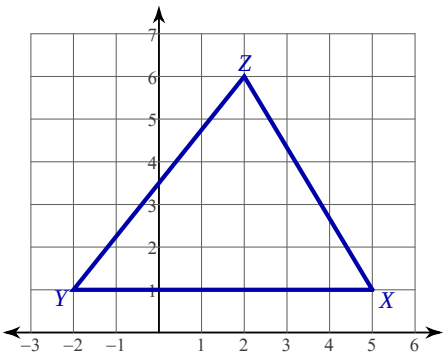
17)



A) $\left(\frac{7}{3}, -\frac{20}{3}\right)$ B) $\left(2, -\frac{22}{3}\right)$

C) $\left(\frac{8}{3}, -7\right)$ D) $\left(\frac{10}{3}, -\frac{23}{3}\right)$

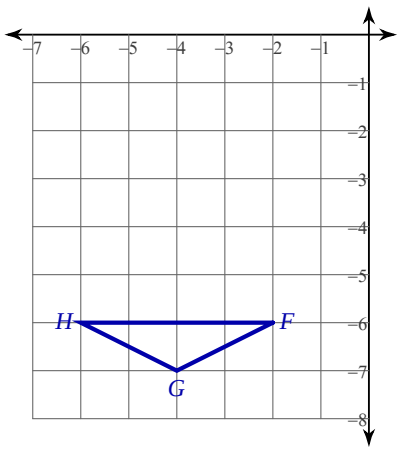
18)



A) $\left(\frac{4}{3}, \frac{7}{3}\right)$ B) $(2, 3)$

C) $\left(\frac{7}{3}, \frac{8}{3}\right)$ D) $\left(\frac{5}{3}, \frac{8}{3}\right)$

19)



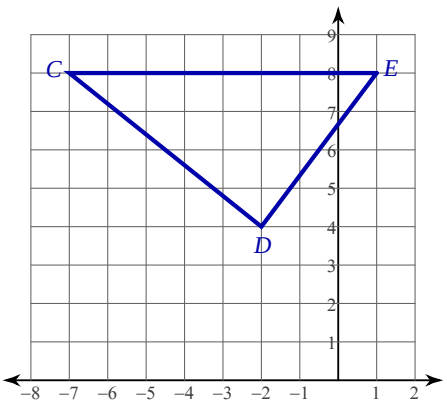
A) $\left(-\frac{11}{3}, -\frac{20}{3}\right)$

B) $\left(-4, -\frac{19}{3}\right)$

C) $\left(-\frac{14}{3}, -6\right)$

D) $\left(-\frac{14}{3}, -\frac{19}{3}\right)$

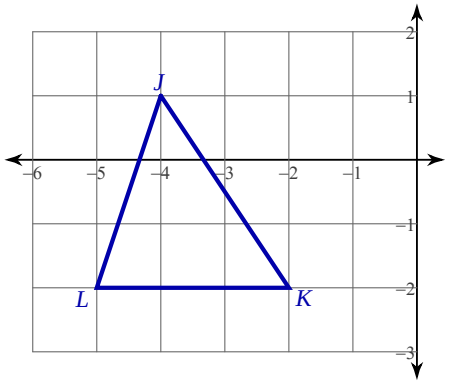
20)



A) $\left(-3, \frac{20}{3}\right)$ B) $\left(-\frac{8}{3}, \frac{20}{3}\right)$

C) $\left(-3, \frac{19}{3}\right)$ D) $\left(-\frac{10}{3}, \frac{19}{3}\right)$

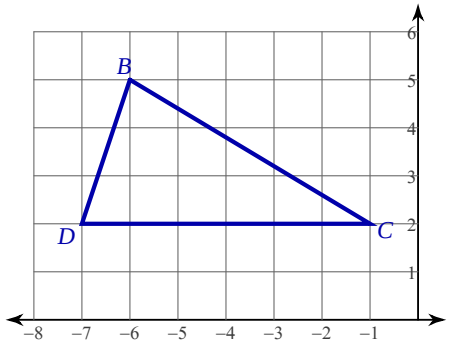
21)



A) $\left(-\frac{11}{3}, -1\right)$ B) $\left(-4, -\frac{4}{3}\right)$

C) $\left(-\frac{13}{3}, -\frac{5}{3}\right)$ D) $\left(-3, -\frac{5}{3}\right)$

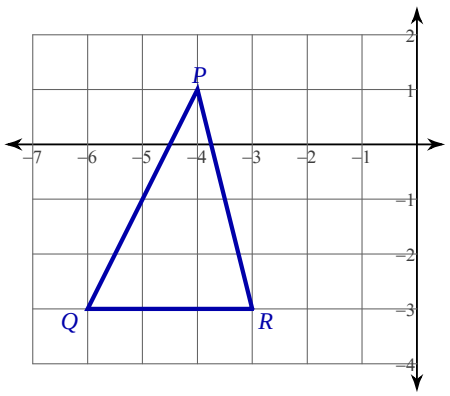
22)



A) $\left(-\frac{14}{3}, 3\right)$ B) $(-4, 3)$

C) $\left(-\frac{16}{3}, \frac{7}{3}\right)$ D) $\left(-\frac{14}{3}, \frac{8}{3}\right)$

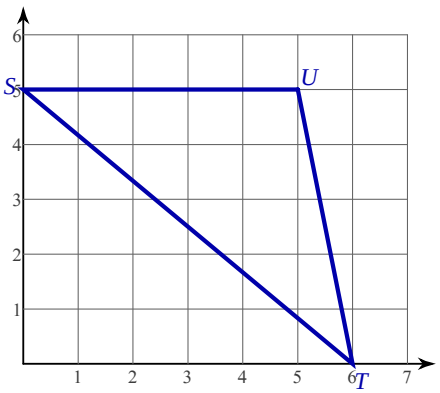
23)



A) $\left(-\frac{13}{3}, -\frac{5}{3}\right)$ B) $\left(-4, -\frac{7}{3}\right)$

C) $(-4, -2)$ D) $\left(-\frac{14}{3}, -\frac{7}{3}\right)$

24)



A) $\left(\frac{13}{3}, 4\right)$ B) $\left(\frac{11}{3}, \frac{10}{3}\right)$

C) $\left(4, \frac{11}{3}\right)$ D) $\left(\frac{10}{3}, \frac{10}{3}\right)$

Answers to Assignment (ID: 9)

1) A
2) D
3) D
4) A
5) B
6) B
7) C
8) D
9) D
10) A
11) C
12) B
13) D
14) D
15) D
16) D
17) C
18) D
19) B
20) B
21) A
22) A
23) A
24) B

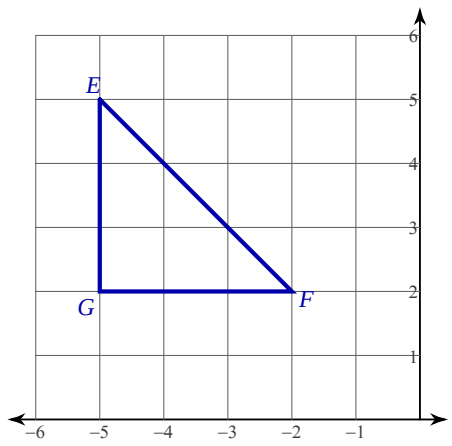
Geometry Name_____

Assignment

Date_____ Period____

Find coordinates of the centroid of each triangle.

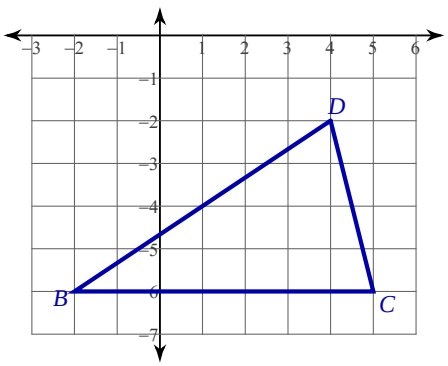
1)



A) $(-4, 3)$ B) $\left(-\frac{14}{3}, \frac{10}{3}\right)$

C) $\left(-\frac{14}{3}, \frac{7}{3}\right)$ D) $\left(-\frac{10}{3}, 3\right)$

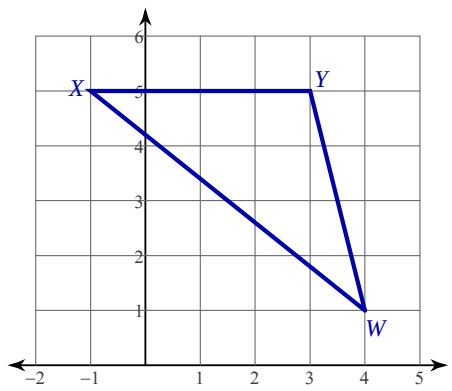
2)



A) $\left(\frac{5}{3}, -\frac{16}{3}\right)$ B) $\left(2, -\frac{14}{3}\right)$

C) $\left(\frac{7}{3}, -\frac{14}{3}\right)$ D) $\left(\frac{8}{3}, -5\right)$

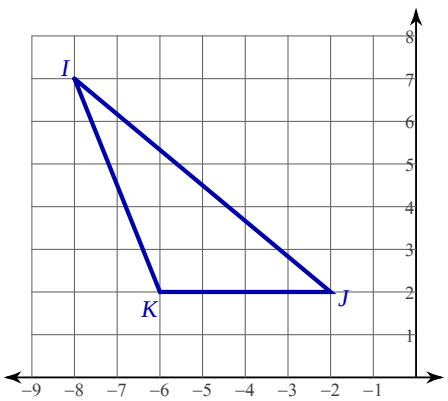
3)



A) $\left(\frac{7}{3}, \frac{10}{3}\right)$ B) $(2, 3)$

C) $\left(2, \frac{11}{3}\right)$ D) $\left(\frac{7}{3}, 4\right)$

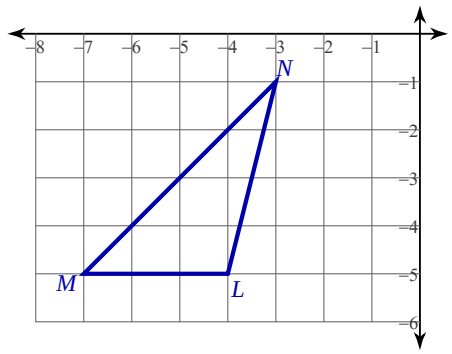
4)



A) $\left(-5, \frac{11}{3}\right)$ B) $\left(-\frac{16}{3}, \frac{11}{3}\right)$

C) $(-6, 4)$ D) $(-5, 3)$

5)



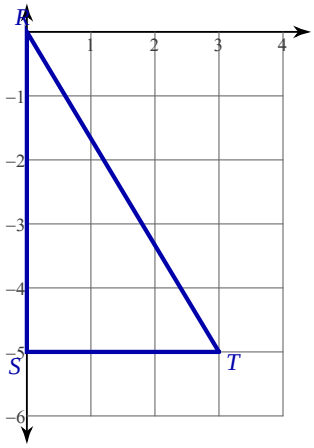
A) $\left(-\frac{14}{3}, -\frac{13}{3}\right)$

B) $\left(-\frac{14}{3}, -\frac{10}{3}\right)$

C) $\left(-\frac{14}{3}, -\frac{11}{3}\right)$

D) $\left(-5, -\frac{10}{3}\right)$

6)



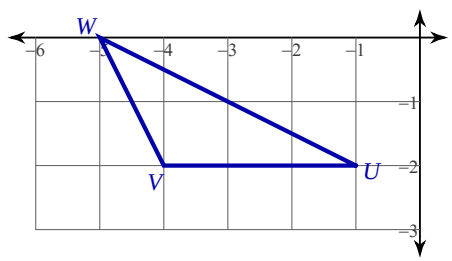
A) $\left(\frac{4}{3}, -3\right)$

B) $\left(1, -\frac{10}{3}\right)$

C) $\left(\frac{2}{3}, -\frac{11}{3}\right)$

D) $\left(\frac{5}{3}, -\frac{8}{3}\right)$

7)



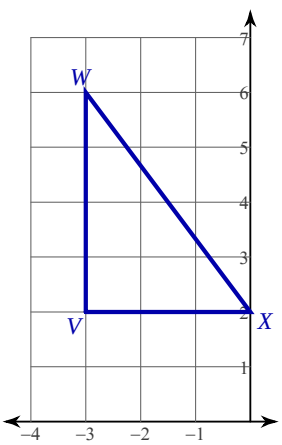
A) $\left(-\frac{10}{3}, -\frac{4}{3}\right)$

B) $(-4, -1)$

C) $\left(-4, -\frac{5}{3}\right)$

D) $\left(-\frac{11}{3}, -2\right)$

8)



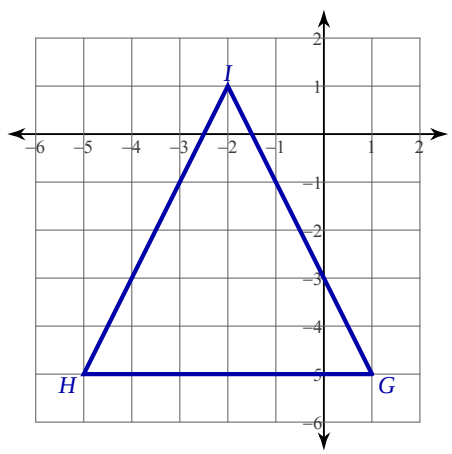
A) $\left(-\frac{5}{3}, \frac{11}{3}\right)$

B) $\left(-2, \frac{10}{3}\right)$

C) $\left(-\frac{5}{3}, \frac{8}{3}\right)$

D) $(-2, 3)$

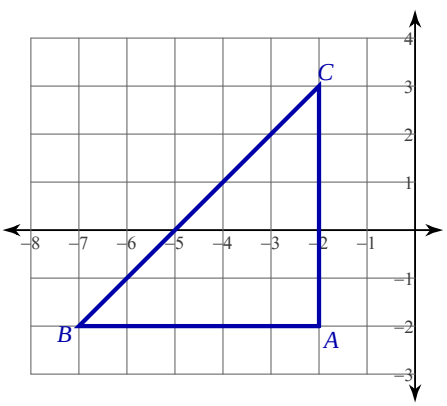
9)



A) $\left(-\frac{5}{3}, -\frac{7}{3}\right)$

B) $\left(-\frac{4}{3}, -3\right)$

10)



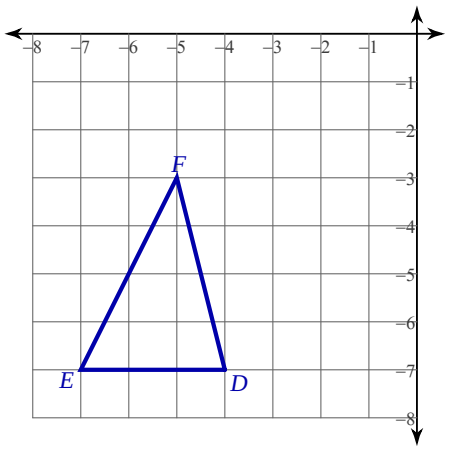
A) $\left(-4, -\frac{2}{3}\right)$

B) $\left(-\frac{11}{3}, -\frac{1}{3}\right)$

C) $(-4, 0)$

D) $\left(-\frac{13}{3}, \frac{1}{3}\right)$

11)



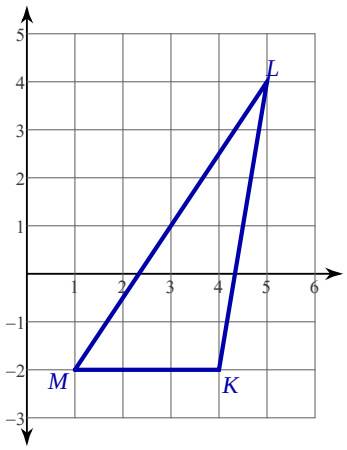
A) $(-5, -5)$

B) $\left(-\frac{16}{3}, -\frac{16}{3}\right)$

C) $\left(-\frac{16}{3}, -\frac{17}{3}\right)$

D) $\left(-\frac{14}{3}, -\frac{17}{3}\right)$

12)



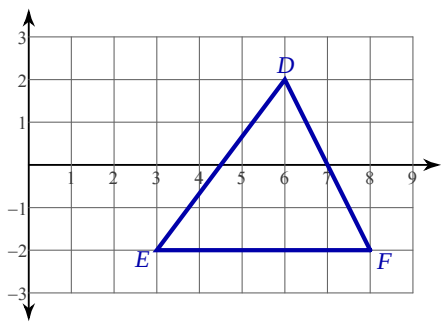
A) $\left(3, -\frac{1}{3}\right)$

B) $\left(3, \frac{1}{3}\right)$

C) $(4, 0)$

D) $\left(\frac{10}{3}, 0\right)$

13)



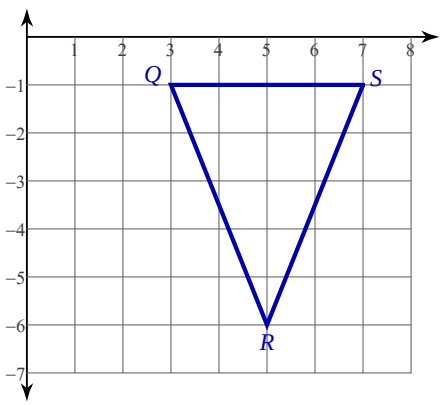
A) $\left(6, -\frac{2}{3}\right)$

B) $\left(\frac{17}{3}, -\frac{2}{3}\right)$

C) $\left(\frac{19}{3}, -\frac{1}{3}\right)$

D) $\left(6, -\frac{4}{3}\right)$

14)



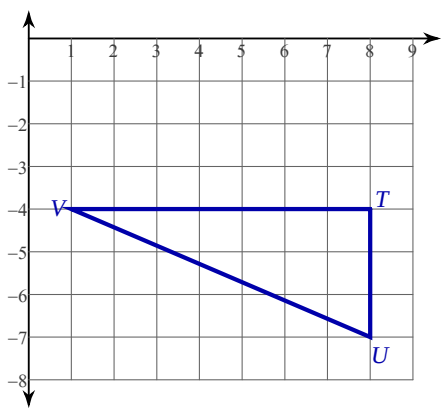
A) $\left(\frac{17}{3}, -3\right)$

B) $\left(5, -\frac{8}{3}\right)$

C) $\left(\frac{16}{3}, -3\right)$

D) $\left(\frac{14}{3}, -2\right)$

15)



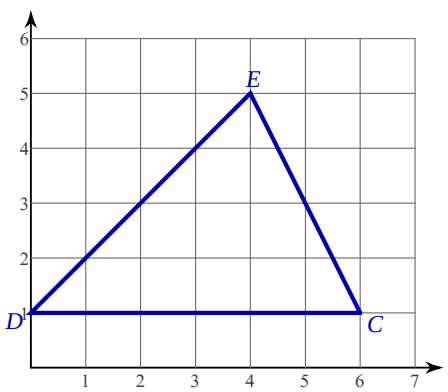
A) $\left(6, -\frac{14}{3}\right)$

B) $\left(\frac{17}{3}, -5\right)$

C) $\left(\frac{17}{3}, -\frac{16}{3}\right)$

D) $\left(5, -\frac{14}{3}\right)$

16)



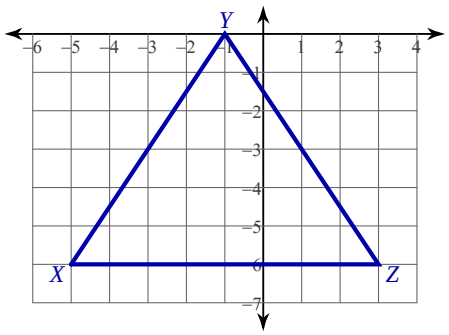
A) $\left(\frac{8}{3}, \frac{5}{3}\right)$

B) $\left(3, \frac{7}{3}\right)$

C) $\left(\frac{10}{3}, \frac{7}{3}\right)$

D) $\left(\frac{11}{3}, \frac{5}{3}\right)$

17)



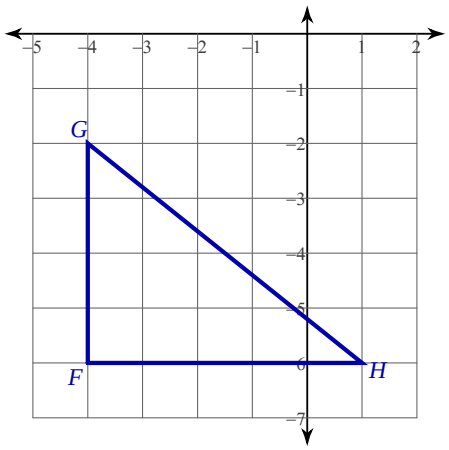
A) $(-1, -4)$

B) $\left(-\frac{4}{3}, -\frac{10}{3}\right)$

C) $\left(-\frac{5}{3}, -\frac{13}{3}\right)$

D) $\left(-\frac{1}{3}, -\frac{11}{3}\right)$

18)



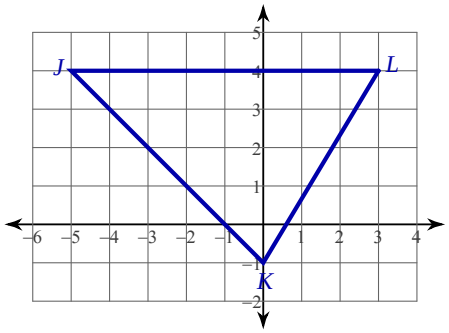
A) $\left(-\frac{5}{3}, -\frac{16}{3}\right)$

B) $\left(-\frac{7}{3}, -\frac{14}{3}\right)$

C) $\left(-\frac{8}{3}, -\frac{14}{3}\right)$

D) $(-3, -5)$

19)



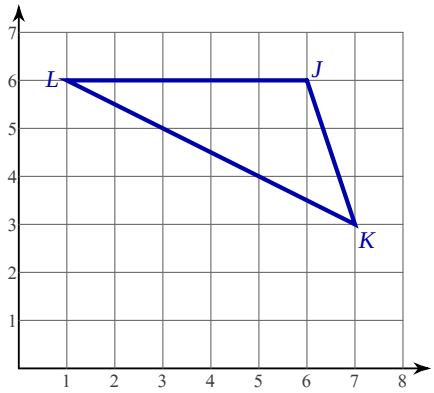
A) $\left(-\frac{2}{3}, \frac{7}{3}\right)$

B) $(-1, 3)$

C) $\left(0, \frac{7}{3}\right)$

D) $\left(-1, \frac{7}{3}\right)$

20)



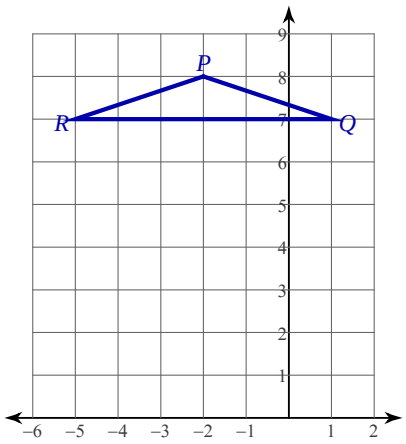
A) $\left(4, \frac{14}{3}\right)$

B) $\left(4, \frac{17}{3}\right)$

C) $(5, 5)$

D) $\left(\frac{14}{3}, 5\right)$

21)



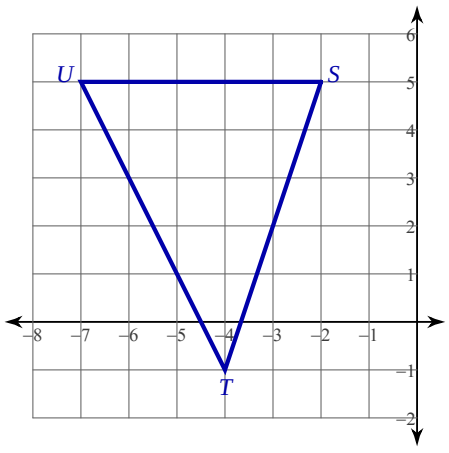
A) $\left(-2, \frac{22}{3}\right)$

B) $\left(-\frac{7}{3}, \frac{22}{3}\right)$

C) $\left(-\frac{8}{3}, \frac{22}{3}\right)$

D) $\left(-\frac{5}{3}, \frac{20}{3}\right)$

22)



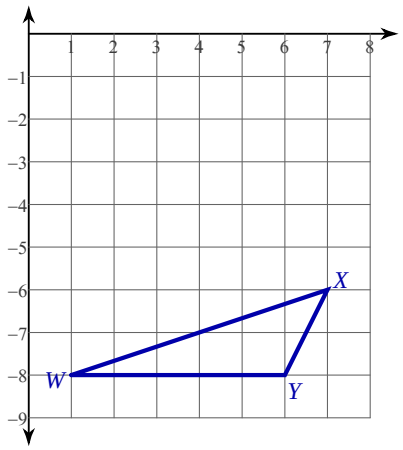
A) $\left(-\frac{11}{3}, \frac{11}{3}\right)$

B) $\left(-\frac{13}{3}, \frac{7}{3}\right)$

C) $\left(-5, \frac{7}{3}\right)$

D) $\left(-\frac{13}{3}, 3\right)$

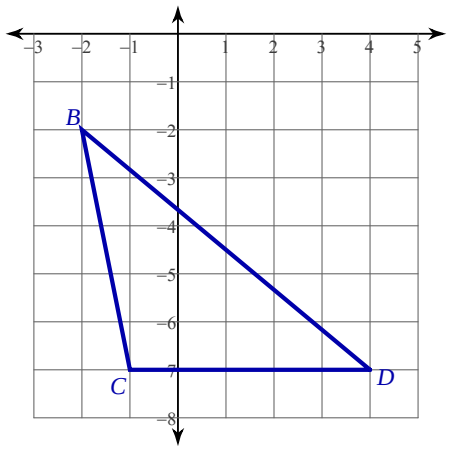
23)



A) $\left(\frac{16}{3}, -\frac{20}{3}\right)$ B) $\left(4, -\frac{23}{3}\right)$

C) $\left(\frac{13}{3}, -\frac{20}{3}\right)$ D) $\left(\frac{14}{3}, -\frac{22}{3}\right)$

24)



A) $\left(0, -\frac{14}{3}\right)$ B) $\left(\frac{1}{3}, -6\right)$

C) $\left(\frac{1}{3}, -\frac{16}{3}\right)$ D) $\left(\frac{2}{3}, -\frac{14}{3}\right)$

Answers to Assignment (ID: 10)

1) A
2) C
3) C
4) B
5) C
6) B
7) A
8) B
9) D
10) B
11) C
12) D
13) B
14) B
15) B
16) C
17) A
18) B
19) A
20) D
21) A
22) D
23) D
24) C