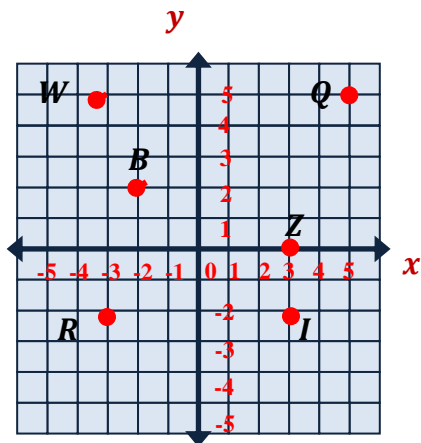


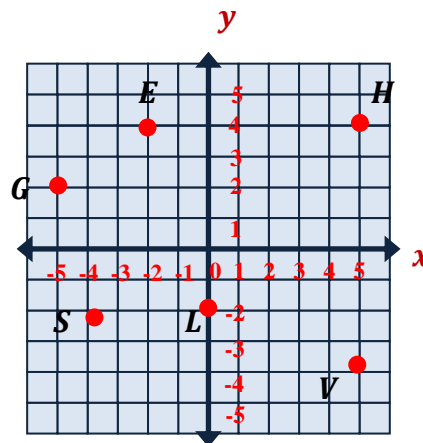
# The Coordinate Plane Assignment

Name the quadrant where each point is located.

1.

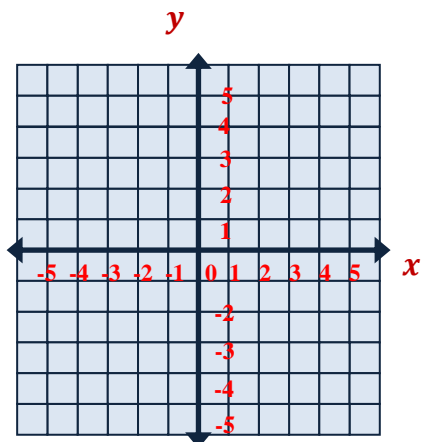


2.

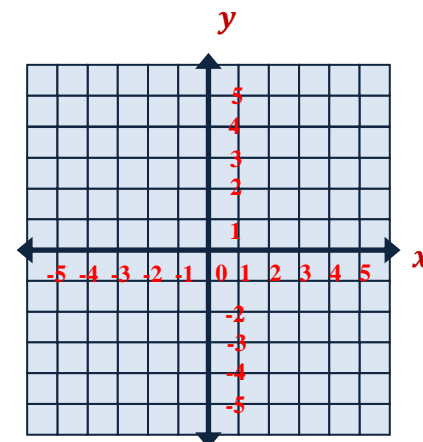


Graph each point on a coordinate plane.

3. S (5, 1) V (0, 2) Z (-5, 2)



4. T(-5, 1) C (-4, -2) M (0, -3) V(5, -4)



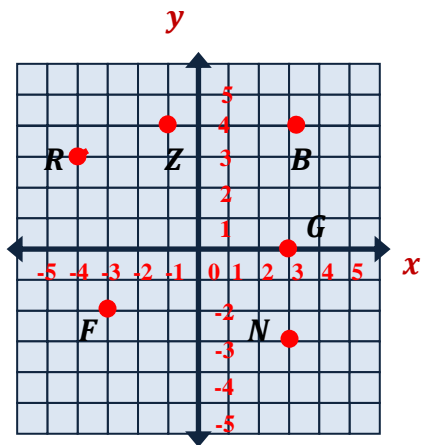
# The Coordinate Plane Assignment

In which quadrant is each point located?

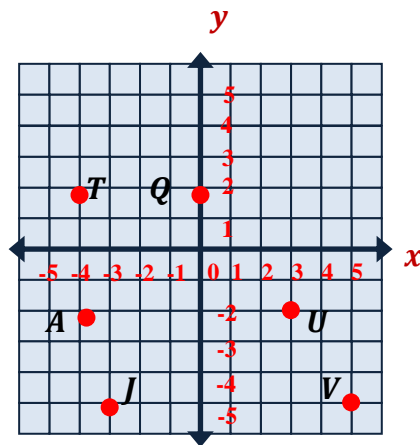
5.  $D (-5, 1)$   $H (0, 3)$       6.  $T (-4, -1)$   $C (3, 2)$       7.  $L (5, 0)$   $K (-5, 2)$
8.  $A (5, -1)$   $M (6, 3)$       9.  $R (0, 0)$   $I (-4, -8)$       10.  $U (6, 12)$   $X (0, 16)$
11.  $J (0, -1)$   $W (-6, 3)$       12.  $E (11, 0)$   $I (-7, -3)$       13.  $P (-6, 2)$   $K (6, 6)$

Give the coordinates of each point.

14.



15.

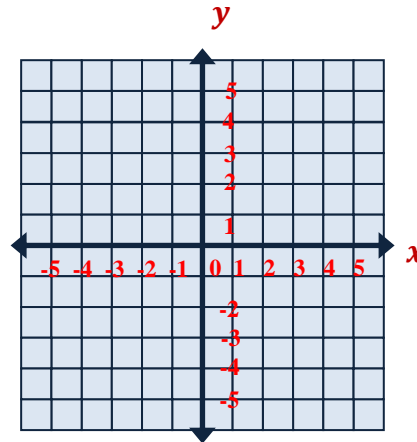
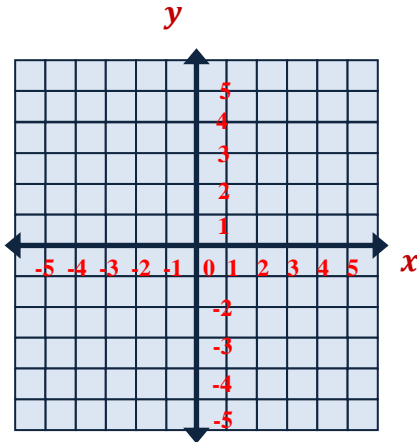


# The Coordinate Plane Assignment

Graph each point on a coordinate plane and find the line segment lengths.

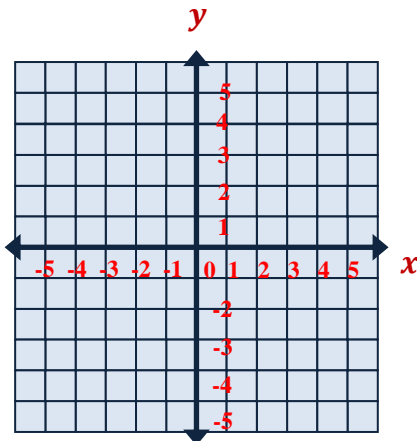
16.  $D(3,4)$  and  $T(0,4)$   
 $W(-3,0)$  and  $F(-3,-2)$

17.  $Y(-4,2)$  and  $Q(0,2)$   
 $H(-4,-2)$  and  $J(-4,-5)$



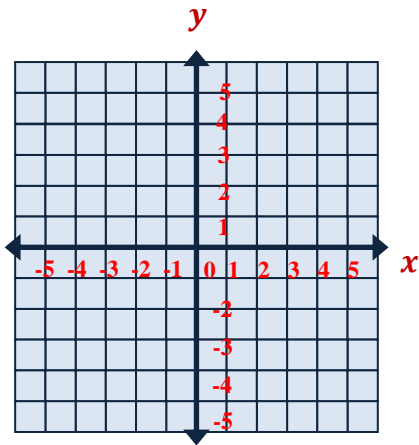
Graph each point on a coordinate plane and find the area of the figure.

18.  $A(-3,4)$   $D(3,4)$   $G(-3,-2)$



# The Coordinate Plane Assignment

19.  $S (-4, 2)$   $T (3, 2)$   $R (-4, -5)$   $P (3, -5)$

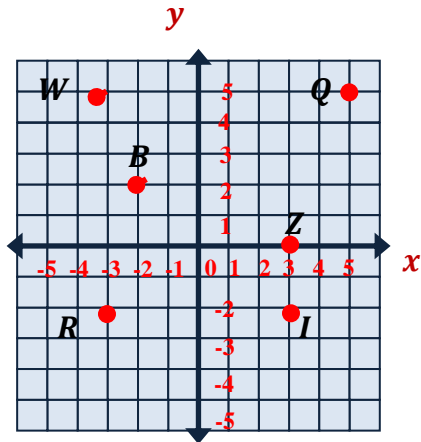


# The Coordinate Plane Assignment

## ANSWERS

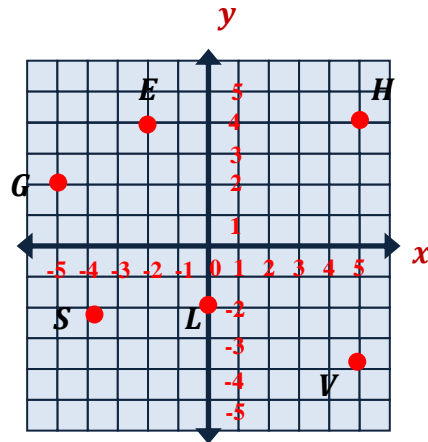
Name the quadrant where each point is located.

1.



- Q – Quadrant I
- W – Quadrant II
- I – Quadrant IV
- R – Quadrant III
- B – Quadrant II
- Z – *on x axis*

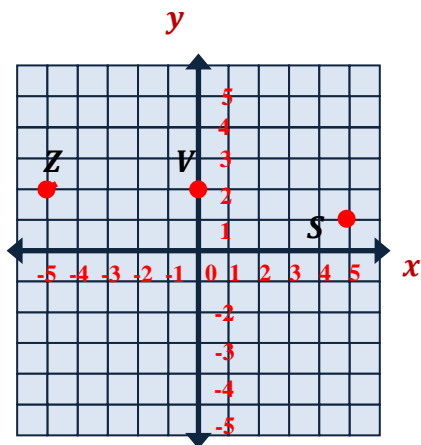
2.



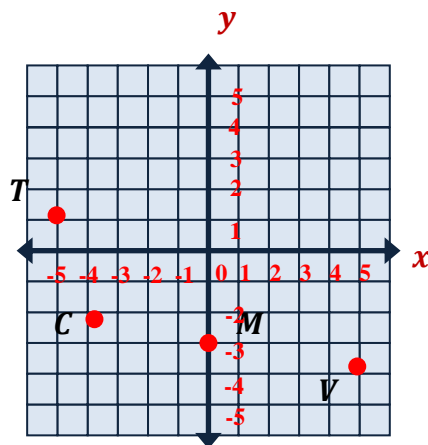
- S – Quadrant III
- H – Quadrant I
- E – Quadrant II
- V – Quadrant IV
- G – Quadrant II
- L – *on y axis*

Graph each point on a coordinate plane.

3. S (5, 1) V (0, 2) Z (-5, 2)



4. T(-5, 1) C (-4, -2) M (0, -3) V(5, -4)



# The Coordinate Plane Assignment

In which quadrant is each point located?

5.  $D (-5, 1)$   $H (0, 3)$       6.  $T (-4, -1)$   $C (3, 2)$       7.  $L (5, 0)$   $K (-5, 2)$

$D$  – Quadrant II  
 $H$  – on  $y$  axis

$T$  – Quadrant III  
 $C$  – Quadrant I

$L$  – on  $x$  axis  
 $K$  – Quadrant II

8.  $A (5, -1)$   $M (6, 3)$       9.  $R (0, 0)$   $I (-4, -8)$       10.  $U (6, 12)$   $X (0, 16)$

$A$  – Quadrant IV  
 $M$  – Quadrant I

$R$  – Origin  
 $I$  – Quadrant III

$U$  – Quadrant I  
 $X$  – on  $y$  axis

11.  $J (0, -1)$   $W (-6, 3)$       12.  $E (11, 0)$   $I (-7, -3)$       13.  $P (-6, 2)$   $K (6, 6)$

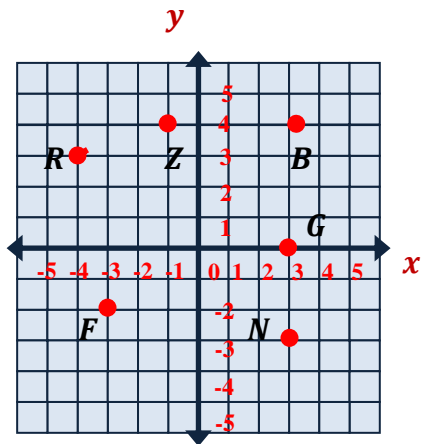
$J$  – on  $y$  axis  
 $W$  – Quadrant II

$E$  – on  $x$  axis  
 $I$  – Quadrant III

$P$  – Quadrant II  
 $K$  – Quadrant I

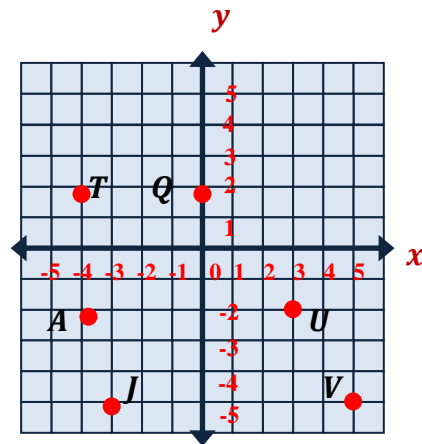
Give the coordinates of each point.

14.



- $R (-4, 3)$      $Z (-1, 4)$   
 $B (3, 4)$      $G (3, 0)$   
 $F (-3, -2)$      $N (3, -3)$

15.

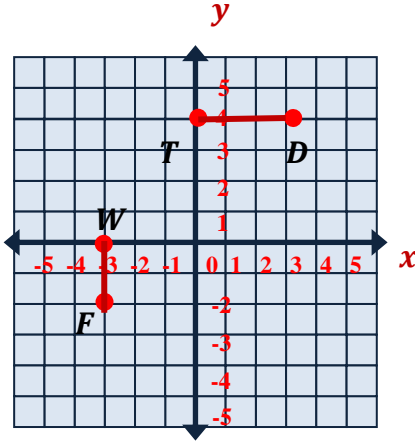


- $T (-4, 2)$      $Q (0, 2)$   
 $A (-4, -2)$      $J (-3, -5)$   
 $U (3, -2)$      $V (5, -5)$

# The Coordinate Plane Assignment

Graph each point on a coordinate plane and find the line segment lengths.

16.  $D(3,4)$  and  $T(0,4)$   
 $W(-3,0)$  and  $F(-3,-2)$



$\overline{DT}$  is horizontal

$$\overline{DT} = |\text{difference of } x - \text{coordinates}|$$

$$\overline{DT} = |0 - 3| = |-3| = 3$$

$$\overline{DT} = \mathbf{3 \text{ units}}$$

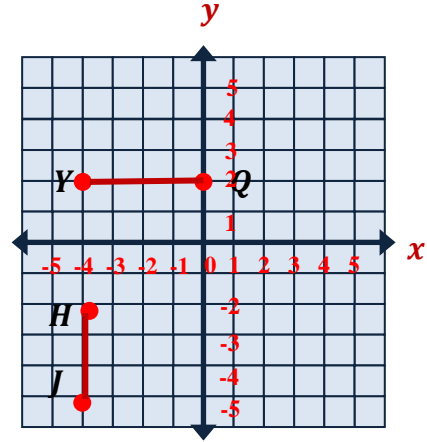
$\overline{WF}$  is vertical

$$\overline{WF} = |\text{difference of } y - \text{coordinates}|$$

$$\overline{WF} = |0 - (-2)| = |0 + 2| = 2$$

$$\overline{WF} = \mathbf{2 \text{ units}}$$

17.  $Y(-4,2)$  and  $Q(0,2)$   
 $H(-4,-2)$  and  $J(-4,-5)$



$\overline{QY}$  is horizontal

$$\overline{QY} = |\text{difference of } x - \text{coordinates}|$$

$$\overline{QY} = |0 - (-4)| = |-4| = 4$$

$$\overline{QY} = \mathbf{4 \text{ units}}$$

$\overline{HJ}$  is vertical

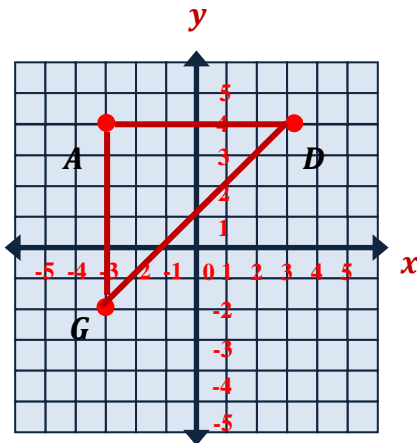
$$\overline{HJ} = |\text{difference of } y - \text{coordinates}|$$

$$\overline{HJ} = |-5 - (-2)| = |-5 + 2| = |-3| = 3$$

$$\overline{HJ} = \mathbf{3 \text{ units}}$$

Graph each point on a coordinate plane and find the area of the figure.

18.  $A(-3,4)$   $D(3,4)$   $G(-3,-2)$



$\overline{AD}$  is horizontal

$$\overline{AD} = |\text{difference of } x - \text{coordinates}|$$

$$\overline{AD} = |3 - (-3)| = |3 + 3| = 6$$

$$\overline{AD} = \mathbf{6 \text{ units}}$$

$\overline{AG}$  is vertical

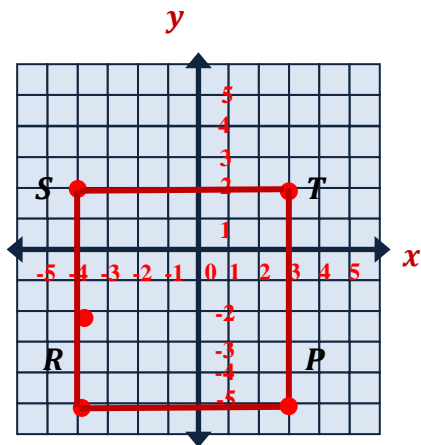
$$\overline{AG} = |\text{difference of } y - \text{coordinates}|$$

$$\overline{AG} = |4 - (-2)| = |4 + 2| = 6$$

$$\overline{AG} = \mathbf{6 \text{ units}}$$

$$A_{\text{triangle}} = \frac{1}{2} \overline{AD} * \overline{AG}$$

$$A_{\text{triangle}} = \frac{1}{2} 6 \text{ units} * 6 \text{ units} = \mathbf{18 \text{ units}^2}$$

**The Coordinate Plane** Assignment19.  $S (-4, 2)$   $T (3, 2)$   $R (-4, -5)$   $P (3, -5)$  $\overline{ST}$  is horizontal

$$\overline{ST} = |\text{difference of } x - \text{coordinates}|$$

$$\overline{ST} = |3 - (-4)| = |3 + 4| = 7$$

$$\overline{ST} = 7 \text{ units}$$

 $\overline{SR}$  is vertical

$$\overline{SR} = |\text{difference of } y - \text{coordinates}|$$

$$\overline{SR} = |2 - (-5)| = |2 + 6| = 7$$

$$\overline{SR} = 7 \text{ units}$$

SQUARE

$$A = \overline{ST} * \overline{SR}$$

$$A = 7 \text{ units} * 7 \text{ units}$$

$$A = 49 \text{ units}^2$$