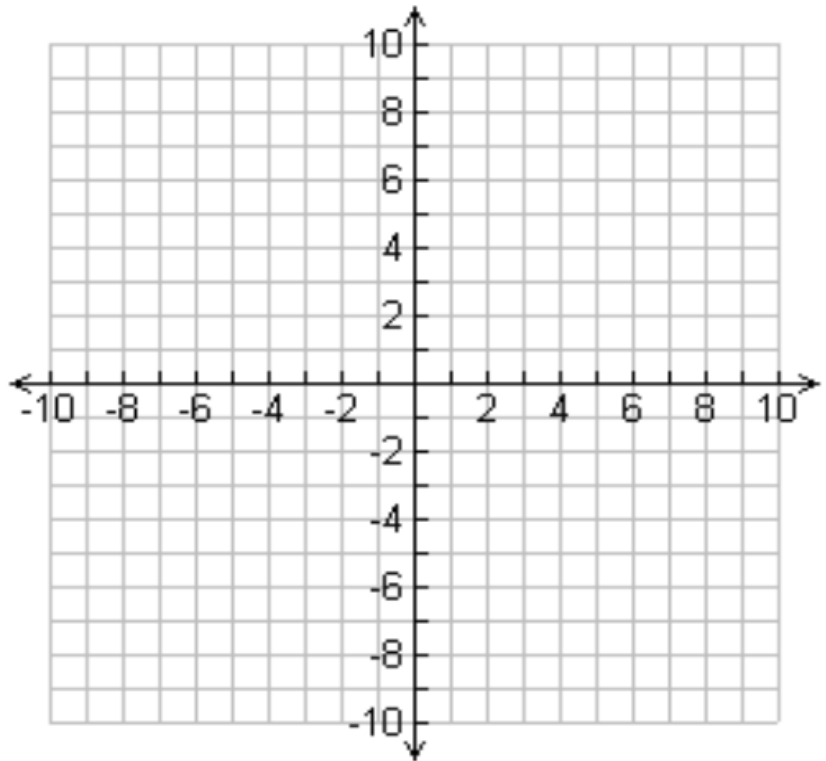


### HW 6.1: The Coordinate Plane Homework

Question 1: Plot the points on the provided coordinate plane

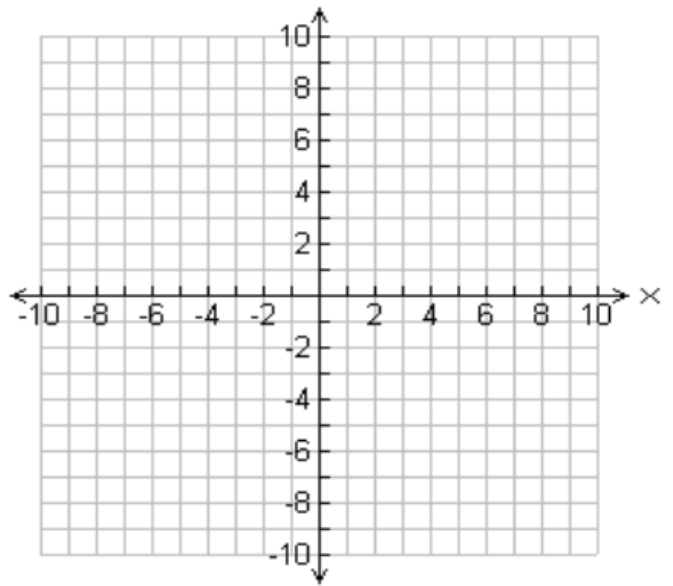
- |            |            |
|------------|------------|
| A (1, 1)   | B (-8, 3)  |
| C (1, -4)  | D (-5, -4) |
| E (2, 9)   | F (-5, -6) |
| G (-3, 10) | H (7, -2)  |
| I (9, 0)   | J (0, 3)   |



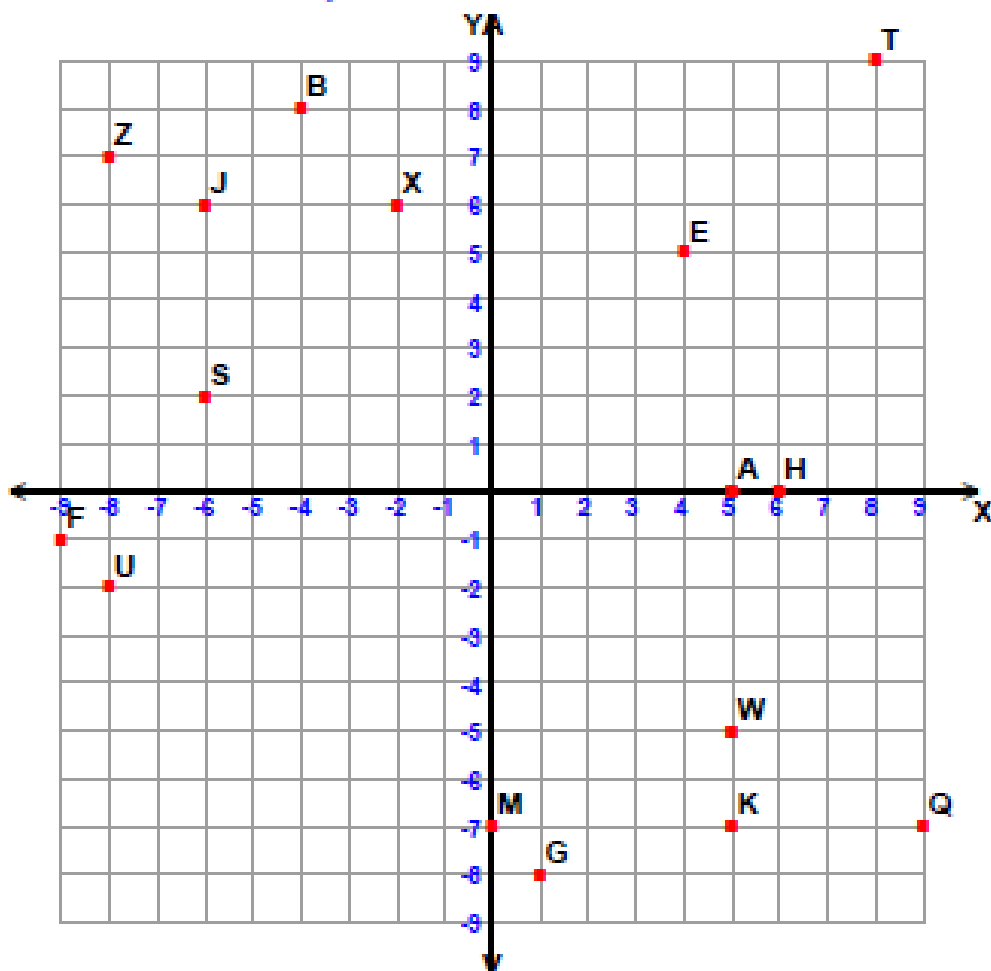
Question 2: Plot and join the set of points in order. Join the last point to the first point to create a closed figure. Identify the figure then calculate its area in square units.

D(1, 1), E(1, -2), F(-5, -2), G(-5, 1)

To figure out the length and width you simply need to count how many units are on each side once the figure has been plotted.



## Four Quadrant Ordered Pairs



Tell what point is located at each ordered pair.

- |                    |                    |                    |                    |
|--------------------|--------------------|--------------------|--------------------|
| 1) $(-2,+8)$ _____ | 3) $(+0,-7)$ _____ | 5) $(+5,-7)$ _____ | 7) $(-8,+8)$ _____ |
| 2) $(+8,-7)$ _____ | 4) $(-8,+7)$ _____ | 6) $(-4,+8)$ _____ | 8) $(+5,-5)$ _____ |

Write the ordered pair for each given point.

- |             |             |             |             |
|-------------|-------------|-------------|-------------|
| 9) S _____  | 11) U _____ | 13) G _____ | 15) T _____ |
| 10) F _____ | 12) H _____ | 14) E _____ | 16) A _____ |

Plot the following points on the coordinate grid.

- |                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 17) P $(-1,+2)$ | 19) D $(-7,-4)$ | 21) Y $(-8,+4)$ | 23) L $(+5,-4)$ |
| 18) C $(+4,-8)$ | 20) I $(-3,+2)$ | 22) V $(-7,+4)$ | 24) R $(+7,-8)$ |