

6.5 Coordinate Plane Worksheet

1. Is the point $(0, -7)$ on the x-axis or the y-axis? _____

2. Circle the point that does *not* belong with the other three. Then explain why it does not belong.

$(-2, 1)$

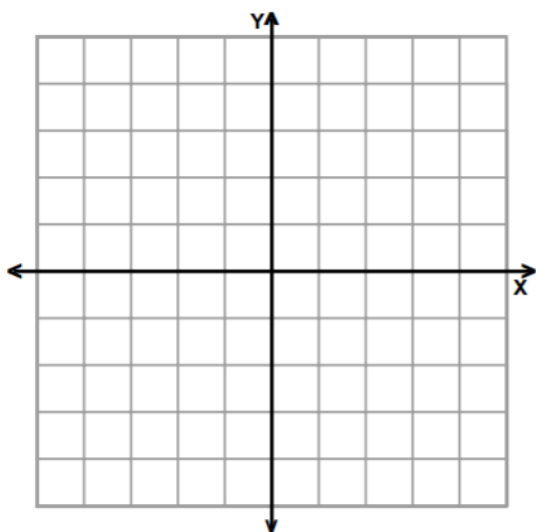
$(-4, 5)$

$(2, -3)$

$(-1, 3)$

This point does not belong because _____

3. Plot and connect the points to make a picture.



A $(5, 0)$ F $(-3, 0)$

B $(2, -3)$ G $(-3, 2)$

C $(2, -2)$ H $(0, 2)$

D $(0, -2)$ I $(2, 2)$

E $(-3, -2)$ J $(2, 3)$

4. Write an ordered pair corresponding to the point. **Remember: Ordered pairs are written (x, y) .**

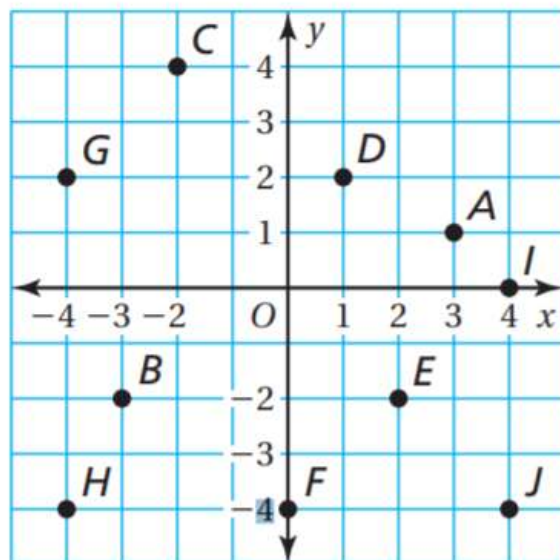
Point A _____ Point F _____

Point B _____ Point G _____

Point C _____ Point H _____

Point D _____ Point I _____

Point E _____ Point J _____



5. Plot each ordered pair in the coordinate plane. Then tell the quadrant each point is located in.

K (4,3)

Quadrant _____

P (2, -4)

Quadrant _____

L (-1,2)

Quadrant _____

R (-4,1)

Quadrant _____

M (0, -3)

_____ - axis

S ($2\frac{1}{2}$, 0)

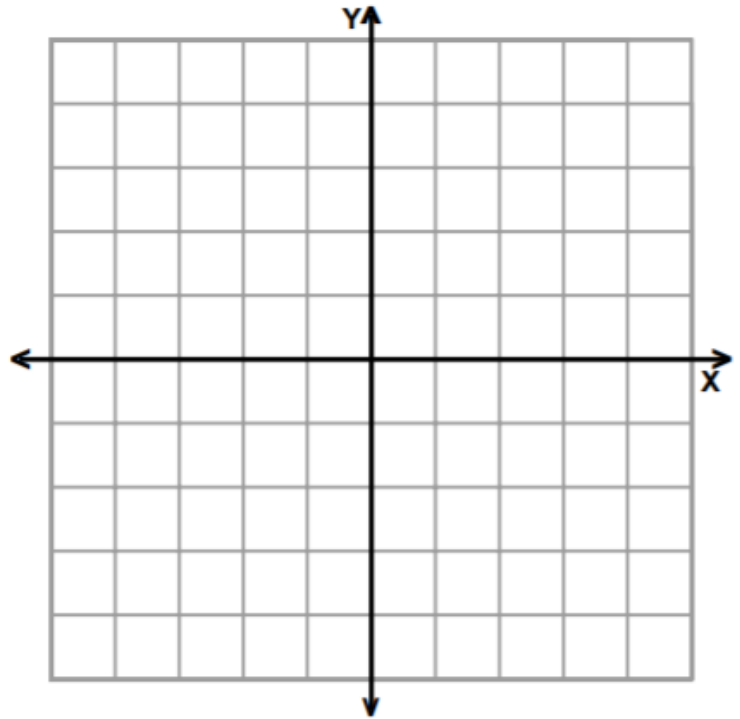
_____ - axis

N (3.5, -1.5)

Quadrant _____

T (-4, -5)

Quadrant _____



- Describe and correct the error in the solution.



To plot (4, 5), start at (0, 0) and move 5 units right and 4 units up.

6.



To plot (-6, 3), start at (0, 0) and move 6 units right and 3 units down.

7.