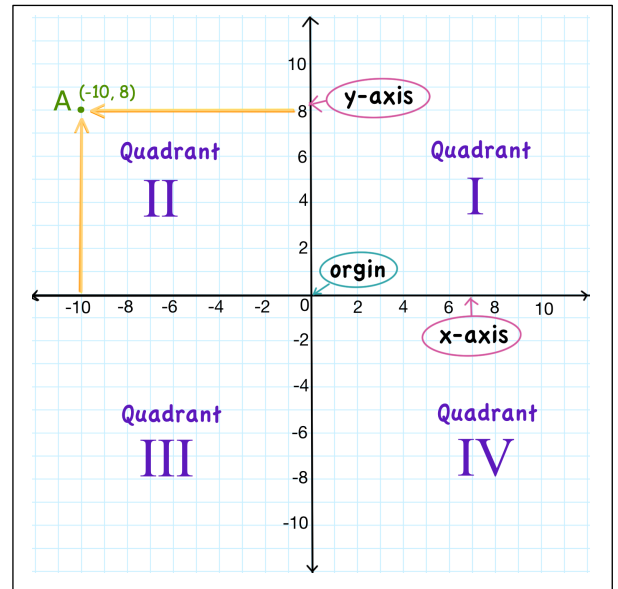


Notes for: Graphing Points on a Coordinate Plane

Name: _____

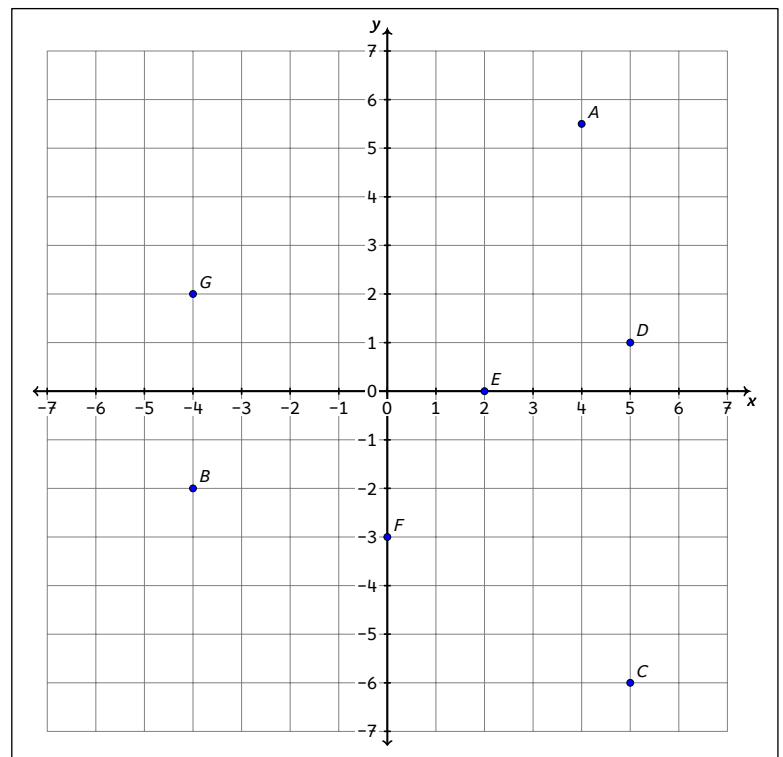
The x- and y-axis divide the coordinate plane into 4 quadrants. Using an ordered pair of numbers, you can locate any point on the graph.

1. Starting with an **ordered pair** (x, y)
2. Begin at the **origin** $(0, 0)$
3. The first number is the **x-coordinate**, and it tells the number of units left or right of the origin.
4. The second number is the **y-coordinate**, and it tells the number of units above or below the origin.
5. *For example:* Point A has the coordinates $(-10, 8)$



Remember – In an ordered pair, the x-coordinate is always listed first. Fill in the chart below and graph any ordered pair not already graphed.

Letter	Ordered pair	Quadrant
A	$(4, 5.5)$	I
B	(\quad , \quad)	
C	(\quad , \quad)	
D	(\quad , \quad)	
E	(\quad , \quad)	On x-axis
F	(\quad , \quad)	
G	(\quad , \quad)	
H	$(-4.5, 0)$	
K	$(-2, -3)$	
M	$(0, 5)$	
N	$(4, -4)$	
P	$(-5, 6)$	

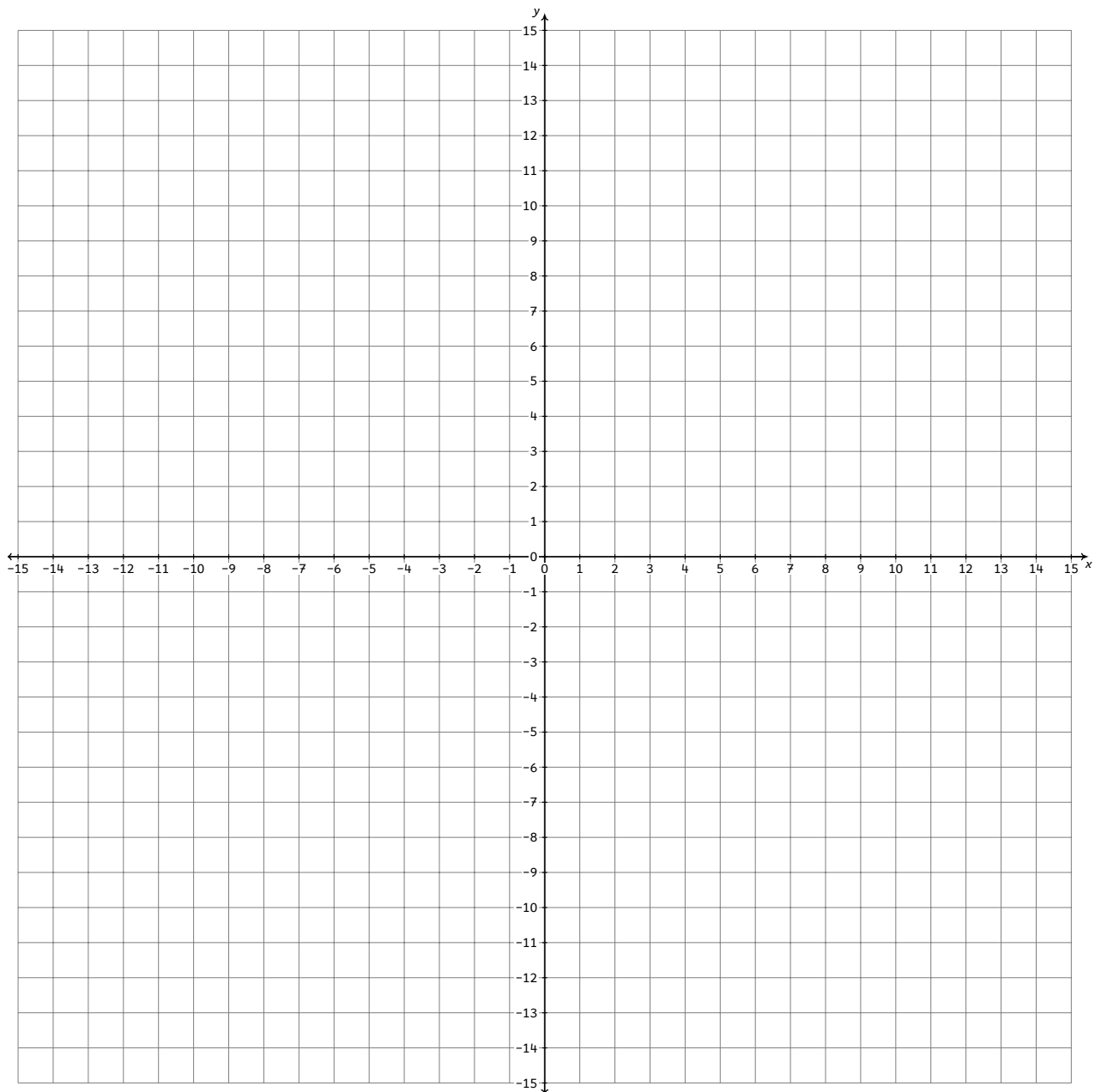


Create Your Own Picture

Name: _____

Directions:

- Draw a picture that can be formed using straight lines to connecting points on the grid (use a minimum of 10 points).
- Write down a list of the ordered pairs on a separate sheet of paper in the order in which they need to be connected.
- If you have someone to trade with, trade your lists and try to draw each other's pictures. Otherwise try to redraw your picture using your list of points.
- Make any corrections to your list of points that are needed.



Create Your Own Picture

Name: _____

