Name: _____

Date: _____

Learning Goal: We are learning how to use the coordinate grid system.

In this chapter and the next, we will learn a lot of new vocabulary. You need to become intimate with these words, so let's first define them, then draw/label them!

Coordinate Plane

Quadrants

x-axis

y-axis

x-coordinate

y-coordinate

Ordered Pair

Origin

Example 1:   Graph the following points on the given grid.

A (3 , 4)   B (-1, 4)

C (4, -2)   D (-5, -4)

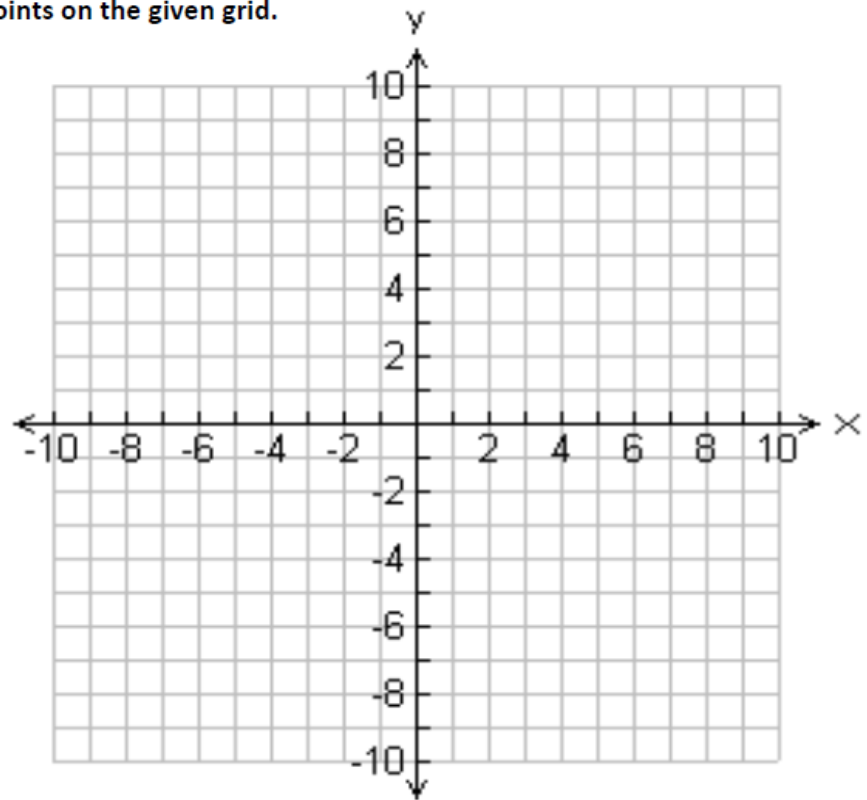E (2, 5)   F (-3, -1)
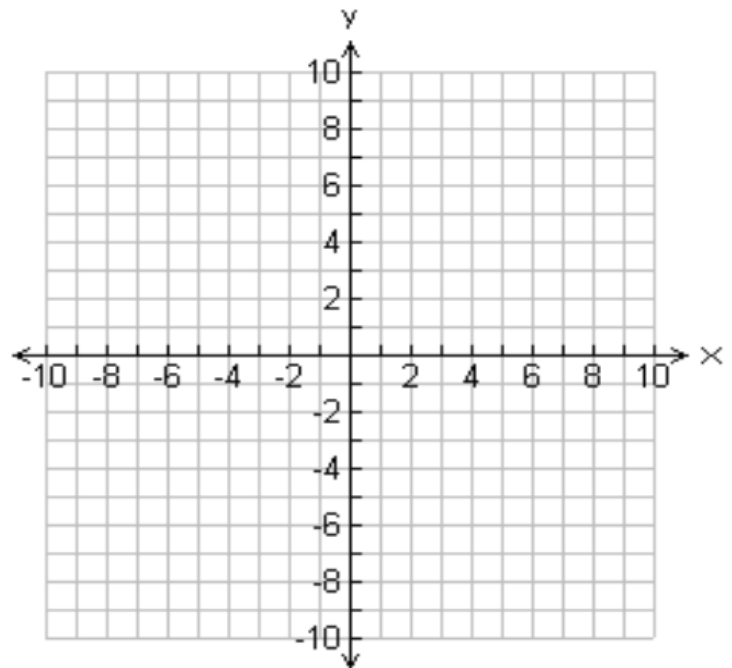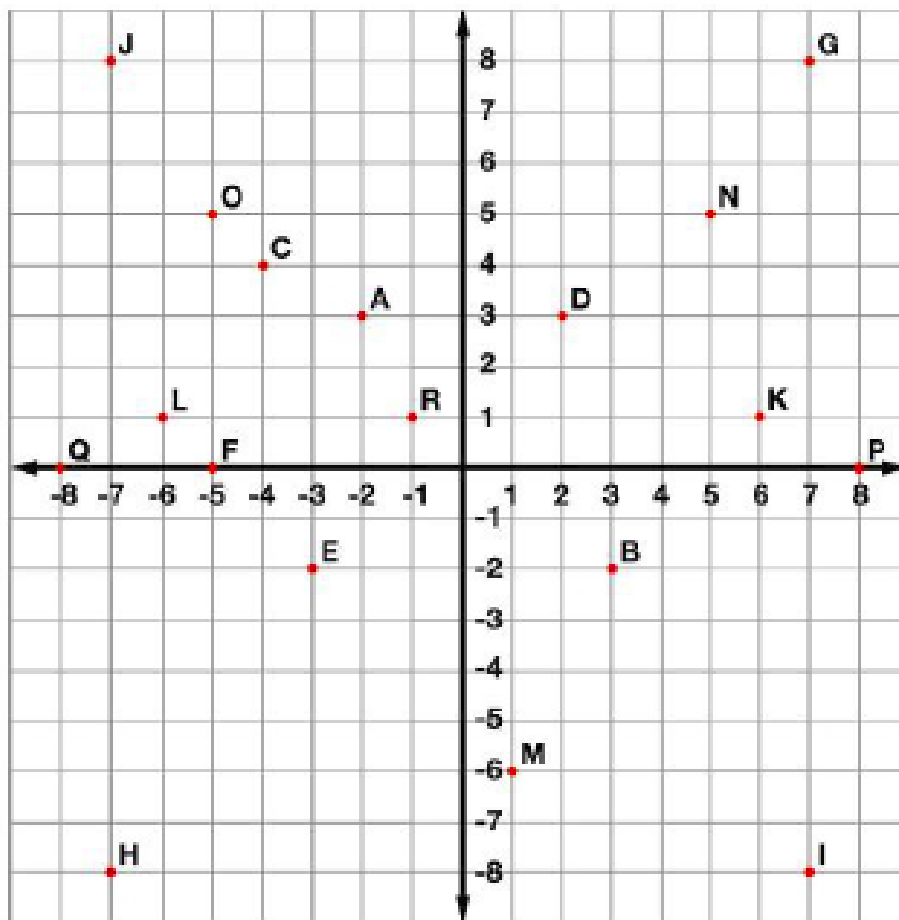
G (-3, 7)   H (6, -2)

I (2 , 0)   J (0 , -4)

Example 2:   Calculate the area of a triangle with vertices at A(-5,-3), B(3,-3), and C(3,8)

Step 1: Plot the points and connect the points to form a triangle
Step 2: Find the length of the base and height

Step 3: Calculate the area

Tell what point is located at each ordered pair.

1. **(3,-2)** _____

2. **(2,3)** _____

3. **(-5,5)** _____

4. **(-7,-8)** _____

5. **(-4,4)** _____

6. **(-5,0)** _____

Write the ordered pair for each given point.

7. **E** _____

8. **M** _____

9. **P** _____

10. **G** _____

11. **Q** _____

12. **N** _____

Plot the following points on the coordinate grid.

13. **S (-6,-3)**

14. **T (2,-4)**

15. **U (5,8)**

Success Criteria:
- I can define the important key terms that are used in the coordinate grid system
- I can tell the difference between the "x" and "y" coordinates in an ordered pair
- I can find an ordered pair on a coordinate grid