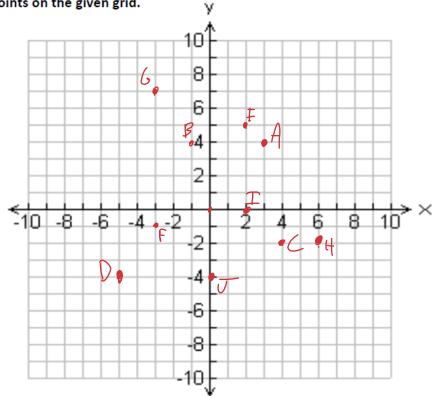
	\mathcal{M}_{α} \mathcal{L}
MTH1W – Unit 7: Coordinate Geometry	Name:
Lesson #1: The Coordinate Plane	Date: (4) (1) (20) (20)
Learning Goal: We are learning how to use the coordinate grid system.	'
In this chapter and the next, we will learn a lot of new vocabulary. You need to words, so let's first define them, then draw/label them!	become intimate with these
Coordinate Plane - a grid made up of two number lines which cross at their zeros.	Q2 12 Q1
which cross at their zeros.	- 1 2 - 1 0 1 2 3
Quadrants -4 COMENS	Q3 3 Q4
x-axis - the horizontal line	
y-axis - the vertical line	
x-coordinate - the value or location on the	X-axis
y-coordinate - the value or location on the y-coordinate - the value or location on the	/ numbers Y -axis
Ordered Pair - 2 Hings in order	

the x and y coordinate paired to getter the center written as (x, y) ex: (2, -3)(0,0)

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







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

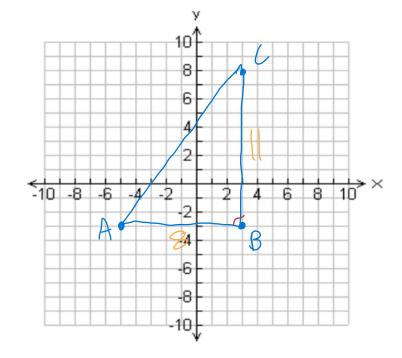
Step 2: Find the length of the base and height

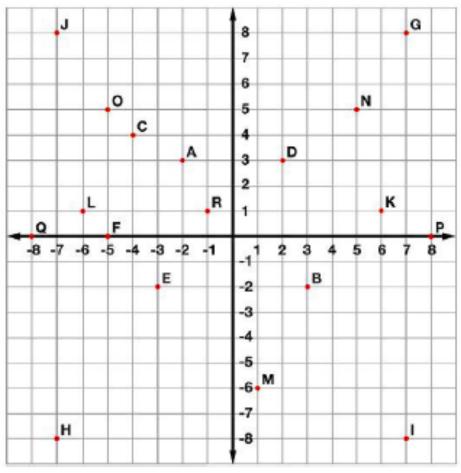
$$A = \frac{88}{7} = 99u^2$$



units

Step 3: Calculate the area





Tell what point is located at each ordered pair.

Write the ordered pair for each given point.

9. P
$$\frac{(8,0)}{(5,5)}$$

Plot the following points on the coordinate grid.

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