	$\mathcal{M}_{\mathcal{C}}$	4
Math 9 – Unit 6: Coordinate Geometry	Name:	Hagen
Lesson #1: The Coordinate Plane	Date: Feb 22,	2019.
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 wi	th these
Coordinate Plane -is a grid, made up of two number lines, which cross at their zeros	2 = 3 = 2 = 1	Q1
Quadrants - the corners of the coordinate plane.	7 0 1	x-coordin Q4
- the horizontal # l.ne	V	
y-axis -the vertical # 1.ne		
x-coordinate - the value/spot on the x-axx - just a number		
y-coordinate - the value/spot/# on the y-axis		

Ordered Pair

S two thing

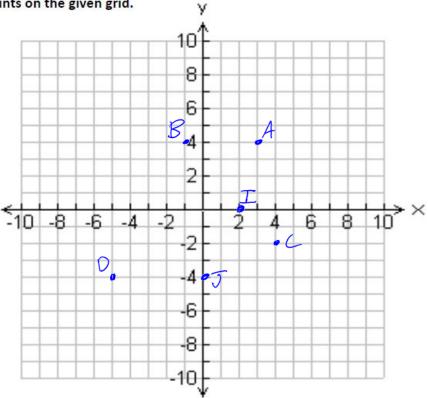
S there is a set way to write it. | paired together, written as

Origin—the ordered pair (0,0)

Ex: (2, -3)

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





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

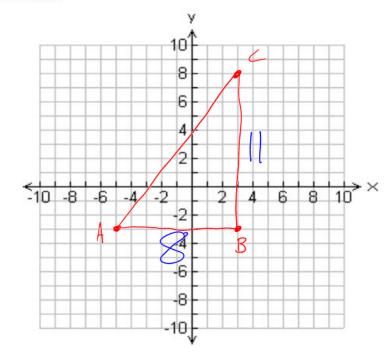
A =
$$\frac{8x}{2}$$

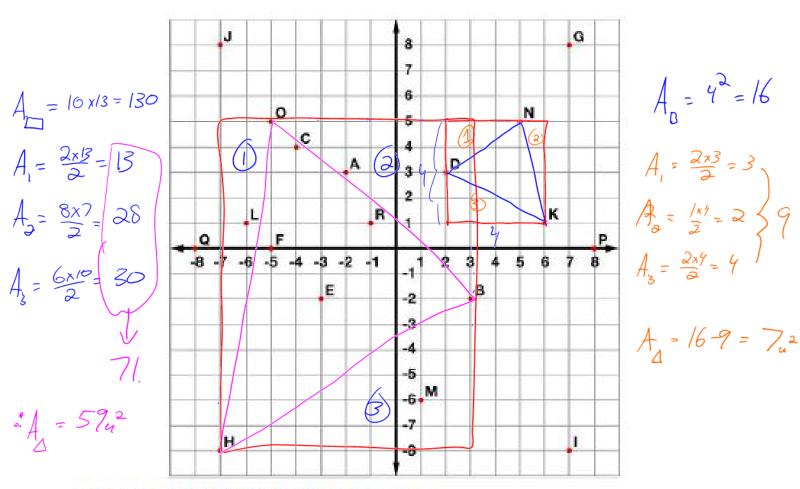
A = $\frac{8x}{2}$

A = $\frac{44}{2}$

A = $\frac{44}{2}$

Step 3: Calculate the area





Tell what point is located at each ordered pair.

Write the ordered pair for each given point.

7. E
$$(-3, -2)$$

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