

**Geometry 9/21**

**Warm Up IXL**  
**6th Grade**  
**X.2**

## 0-7 Ordered Pairs

I can name and graph points in the coordinate plane

### Ordered Pairs

How points in the coordinate plane are named written  $(x, y)$ .

### x-coordinate

the first number in an ordered pair tells you how far left or right to move

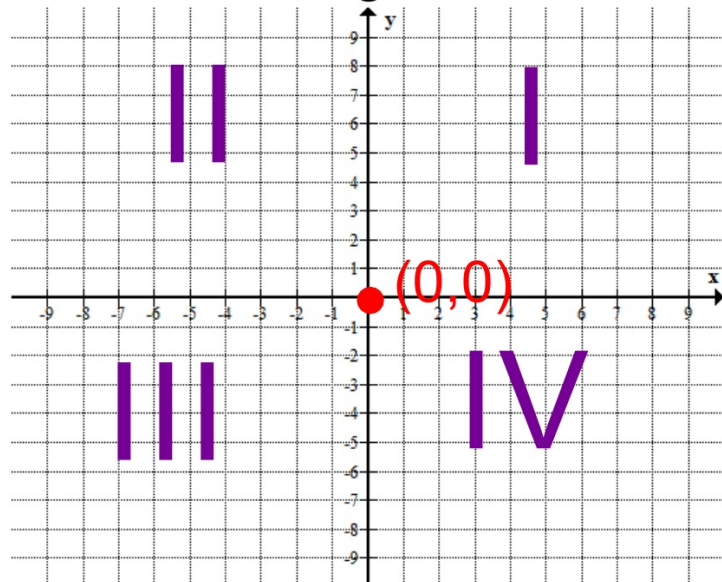
### y-coordinate

the second number in an ordered pair tells you how far up or down to move

I can name and graph points in the coordinate plane

## Quadrants

the four regions that the coordinate plane is separated into. Numbered using roman numerals



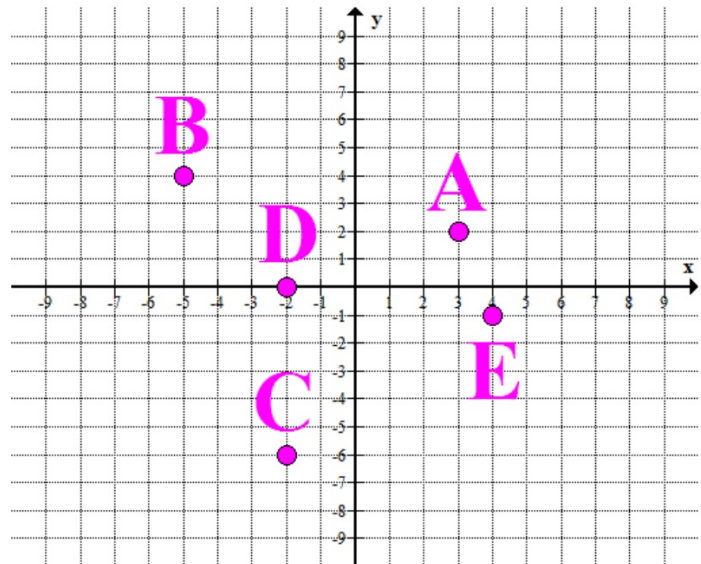
## Origin

the point of intersection of the x- and y-axes  
the point (0, 0)

I can name and graph points in the coordinate plane

Ex. 1 Write the ordered pair for each point. Then name the quadrant in which the point is located.

- A.  $(3, 2)$  I
- B.  $(-5, 4)$  II
- C.  $(-2, -6)$  III
- D.  $(-2, 0)$  None
- E.  $(4, -1)$  IV



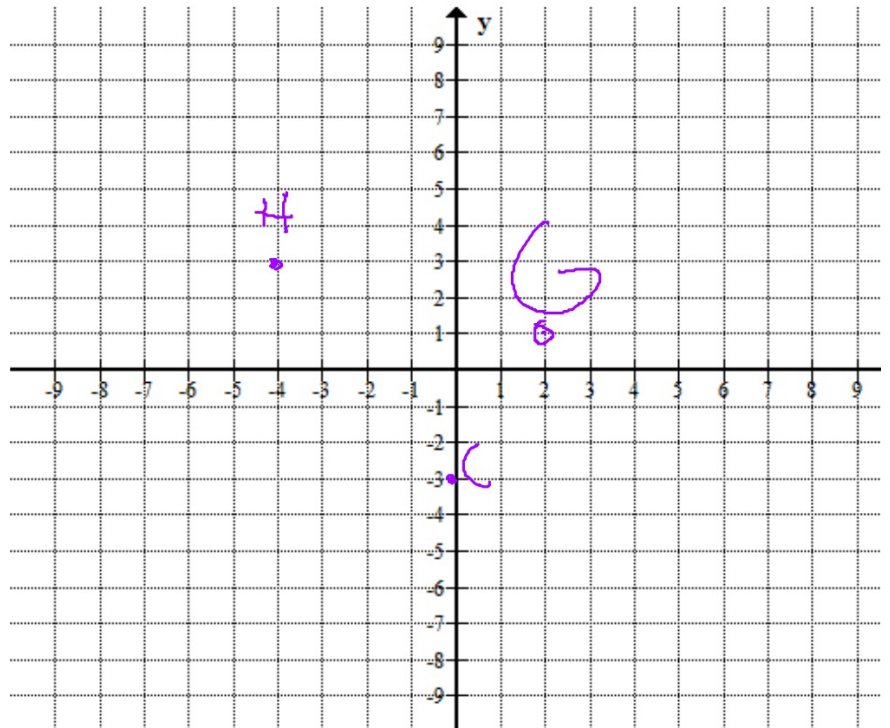
I can name and graph points in the coordinate plane

Ex. 2 Graph and label each point on the coordinate plane. Name the quadrant in which each point is located.

A. G (2, 1)

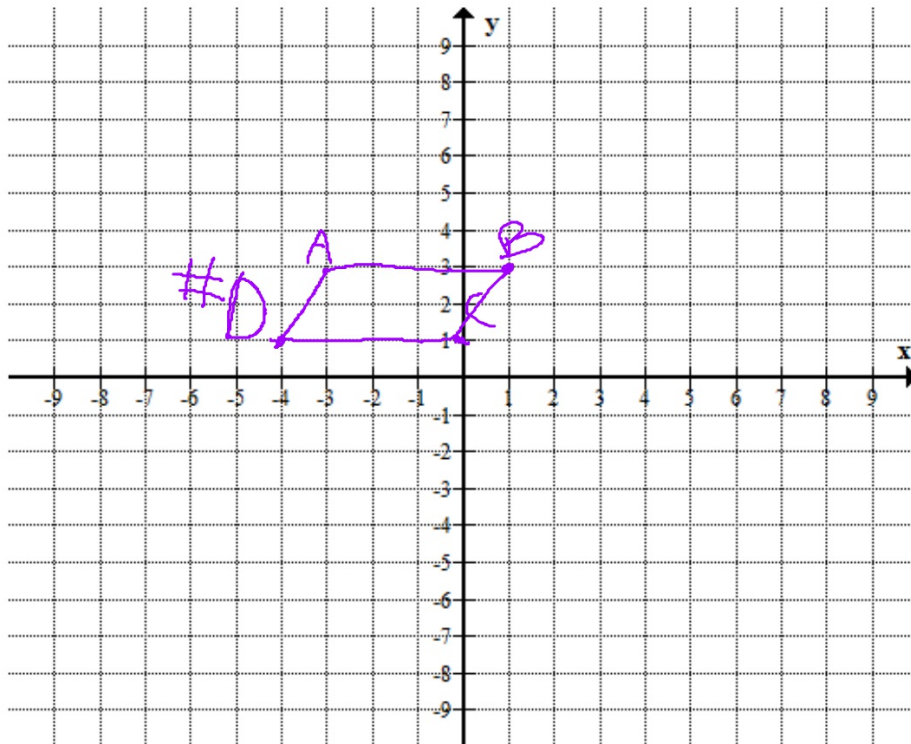
B. H (-4, 3)

C. (0, -3)



I can name and graph points in the coordinate plane

Ex. 3 Graph the polygon with vertices  $A(-3,3)$ ,  $B(1,3)$ ,  $C(0,1)$ , and  $D(-4,1)$ .



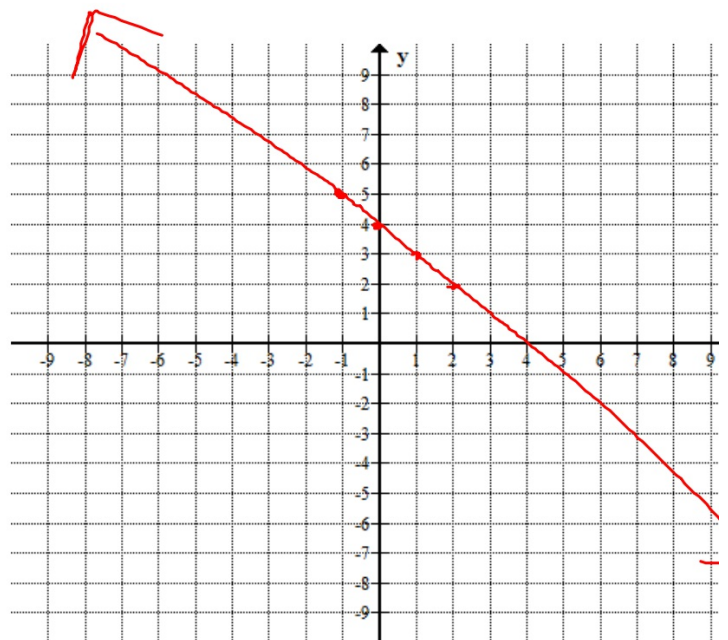
I can name and graph points in the coordinate plane

Ex. 4 Graph four points that satisfy the equation

$$y = 4 - x$$

x	4-x	y	(x,y)
-1	$4 - (-1)$	5	$(-1, 5)$
0	$4 - 0$	4	$(0, 4)$
1	$4 - 1$	3	$(1, 3)$
2	$4 - 2$	2	$(2, 2)$

x	y	(x,y)
-1	5	$(-1, 5)$
0	4	$(0, 4)$
1	3	$(1, 3)$
2	2	$(2, 2)$



Ms. Brown  
Alg 1  
9/21/16  
Pg P16 #2-30ev

I can name and graph points in the coordinate plane

# Hmwk

## Pg P16

### #2-30ev