**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per.\_\_\_\_\_\_\_**

**U3 CWK #1:** *Ordered Pairs and Graphing*

**Directions:** Match the following definition to the term, then label the grid where appropriate for each term.

1. a grid created when the x- and

 y-axis cross at zero

1. the point where the two axes, x & y, cross at (0,0)

B



1. the vertical axis of the grid

A



1. representation of the distance from the origin written as (x, y)
2. the horizontal axis of the grid
3. one section of the coordinate grid

G

C





 Coordinate Grid: \_\_\_\_

 Ordered Pair: \_\_\_\_

EE



 Origin: \_\_\_\_

F



 x-axis: \_\_\_\_

 y-axis: \_\_\_\_

D



 Quadrant: \_\_\_\_

**Moving Around the Coordinate Grid:**



**ALWAYS** start at the origin (0, 0) move left or right along the x-axis then up or down along the y-axis.

*Remembe*r: All Points are written as the number of x and y moves away from the origin separated by a comma and in parenthesis.

 **Example: ( x , y )**

**Directions:** Identify the coordinates of each point from the graph to the left:

Point A: ( \_\_\_\_ , \_\_\_\_ )

Point C: ( \_\_\_\_ , \_\_\_\_ )

Point E: ( \_\_\_\_ , \_\_\_\_ )

Point B: ( \_\_\_\_ , \_\_\_\_ )

Point D: ( \_\_\_\_ , \_\_\_\_ )

Point F: ( \_\_\_\_ , \_\_\_\_ )

 Point G: ( \_\_\_\_ , \_\_\_\_ ) or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Positive / Negative direction on the Coordinate Grid:**

 Quadrant II Quadrant I

 When you move left on the When you move right on the

x-axis the x value is negative (-) x-axis the x value is positive (+)

 When you move up on the When you move up on the

 y-axis the y value is positive (+) y-axis the y value is positive (+)

 ( -x, y ) ( x, y )

 Quadrant III Quadrant IV

 When you move left on the When you move right on the

x-axis the x value is negative (-) x-axis the x value is positive (+)

 When you move down on the When you move down on the

y-axis the y value is negative (-) y-axis the y value is negative (-)

 ( -x, -y ) ( x, -y )

What quadrant would you find each of the coordinate pairs in?

 (Use the format QI, QII, QIII, or QIV)

* (-13, 17) \_\_\_\_\_\_\_\_\_
* (21, 23) \_\_\_\_\_\_\_\_\_
* (11, -32) \_\_\_\_\_\_\_\_\_
* (-14, -2) \_\_\_\_\_\_\_\_\_
* (-8, 12) \_\_\_\_\_\_\_\_\_
* (-9, -12) \_\_\_\_\_\_\_\_\_
* (54, 49) \_\_\_\_\_\_\_\_\_
* (4, -10) \_\_\_\_\_\_\_\_\_\_
* (-4, -1) \_\_\_\_\_\_\_\_\_

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