

**Coordinate Plane**



* The Coordinate Plane is a grid consisting of two perpendicular number lines, the (horizontal) **x-axis** and (vertical) **y-axis**
* The axes intersect at point **(0,0),** also known as the “**origin**”
* The four open areas are called “**quadrants**”
* Points can be plotted on the plane using a pair of x- and y- coordinates called “**ordered pairs**”.

 **y**

 **(-, +) (+, +) x**

 **Point (0,0) is called**

 **the “origin”.**

 **(-, -) (+, -)**



**How do I Plot Points**??

ALL ordered pairs are written as (x,y). (-2, 4)

The **1st** number tells how far to go **ACROSS** on the **X**-axis

The **2nd** number tells how far to go **UP OR DOWN** the **Y**-axis.

 (-5, -2)

 (1, -3)



**Remember**: You have to walk *in* the building before going *up or down* the elevator!

 *(In other words, go ACROSS the x-axis with the 1st number, then UP OR DOWN with the 2nd number!)*



**Coordinate Plane Practice**

**PART 1:**

****Write the ordered pair for each point in the

plane to the left. For instance, C = (-4,3).

 D =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ V = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 E = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ W =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 F = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ X = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 I = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Y = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 K =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Z = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**PART 2:**

Plot these points on the coordinate

plane below. Be sure to label the letter next to each point.

C (0,0) H (4,3)



O (-2,-1) R (-4,0)



A (-2,3) K (3,-1)

M (-4,5) T (0,4)

S (4,-3)

 What “secret message” do you see? ☺

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