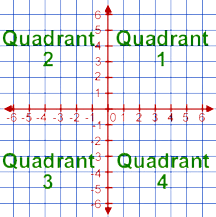


**Coordinate Plane**



* 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**”.

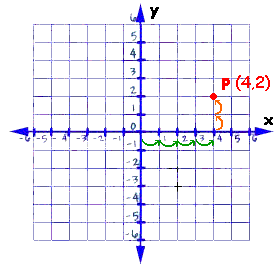
 **y**

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



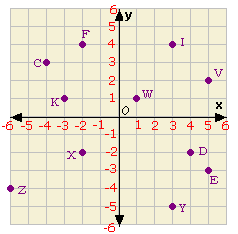
**Remember**: You have to walk *in* the building before going *up or down* the elevator!

*(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? ☺

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_