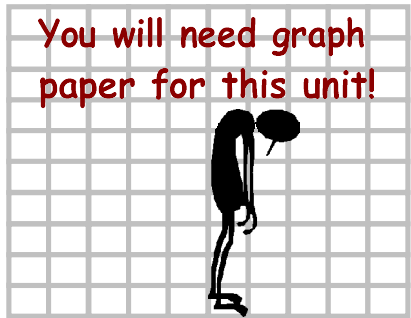


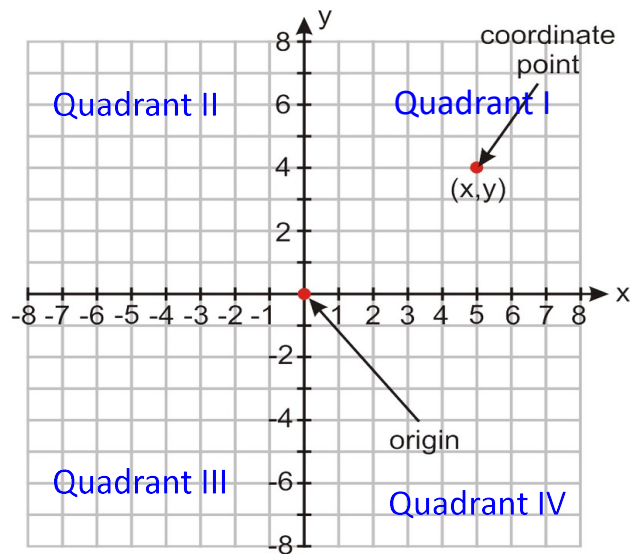
## 4.1 Cartesian Plane and Ordered Pairs



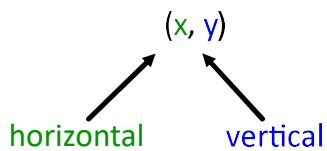
The Cartesian Plane is a grid used to graph points.

It is divided into 4 quadrants as shown

Origin: the point in the middle of the graph. Coordinates: (0,0)

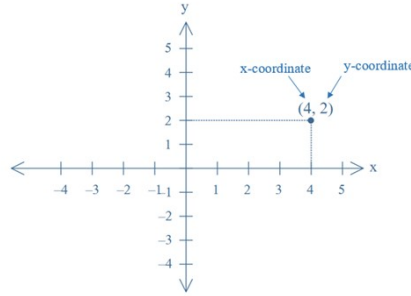


Ordered Pairs: any point on the graph is represented by an ordered pair



Gizmos! Points in the Coordinate Plane

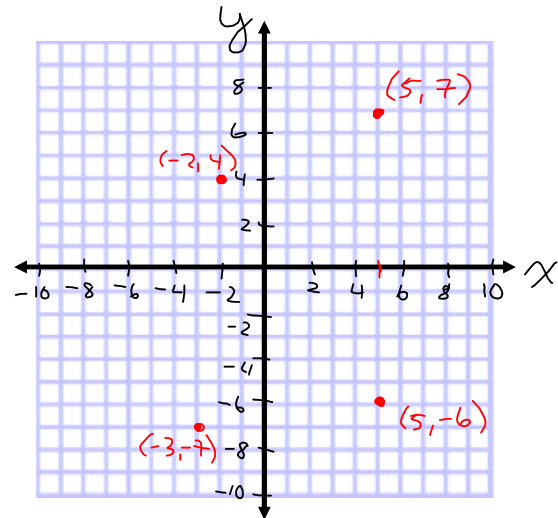
**How to plot a point:**



For example: to plot the point (5,7)

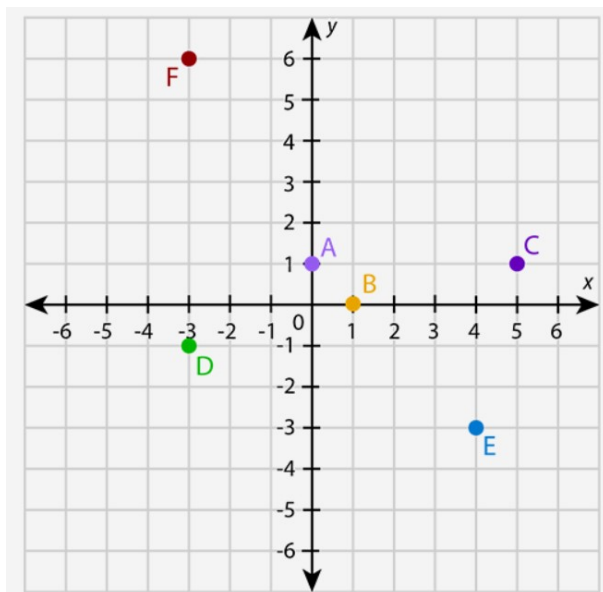
- start at the origin (0,0)
- go 5 units to the right (along the x-axis)
- go 7 units up

Now plot the points (-2,4), (-3, -7) & (5,-6)



**Graphing Requirements**

- title, labels, units
- scales can be different on x and y
- arrows on axis
- use a ruler
- do not crowd your work



Ex. 1 Determine the coordinates of points A, B, C, D, E and F.

A(0, 1)

B(1, 0)

C(5, 1)

D(-3, -1)

E(4, -3)

F(-3, 6)

