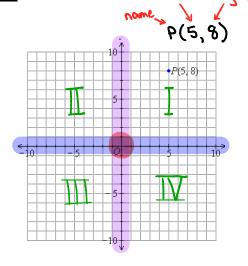
Introduction to Relations

The Cartesian Plane

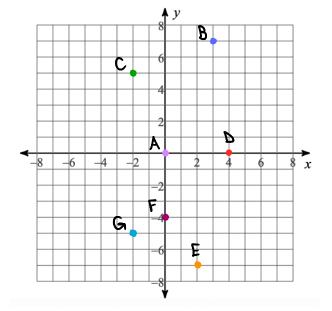
The Cartesian Plane was invented by René Descartes and consists of the following:

- 1) A horizontal or X axis
- 2) A vertical or <u>u-axis</u>
- __ where the axes meet (0,0)
- 4) Four <u>quadrants</u>
- 5) Numbered axes
 - positive numbers go to the <u>right</u> and <u>up</u>
 negative numbers go to the <u>left</u> and <u>down</u>



Example 1: Plot the following points and describe the location of the point.

Point (x,y)	Location
A(0,0)	origin
B(3,7)	QI
C(-2,5)	ØII
D(4,0)	X-axis
E(2,-7)	QIY
F(0, -4)	y-axis
G(-3, -5)	QII



Example 2: Determine the coordinate of the points and the location of the points.

Point	Co-ordinate	Location
A	(-1,-4)	QII
В	(0,0)	origin
С	(-6,3)	QI
D	(6,4)	QI
Е	(2,-2)	QIV
F	(-3,-5)	QII

