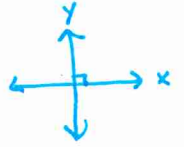## Coordinate Planes...Plotting Points

Vocabulary:
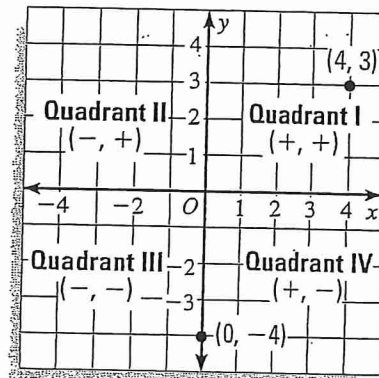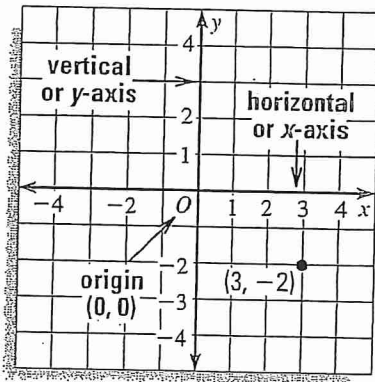
A **coordinate plane** is formed by two real number lines that intersect at a right angle.

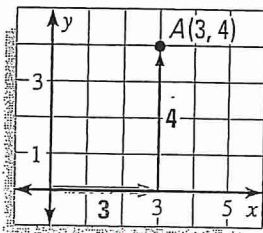Each point in the coordinate plan corresponds to an **ordered pair** of real numbers.

The first number in an ordered pair is the **x** -coordinate and the second number is the **y** -coordinate, written as (x, y).

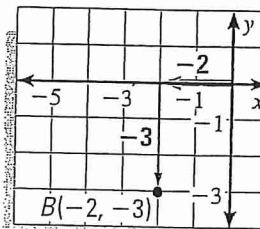*The diagram below shows the quadrants, and the x- and y-axis:*

Plotting points in a coordinate plane:

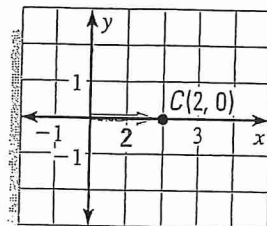**a.** To plot the point (3, 4), start at the origin. Move 3 units to the right and 4 units up.

b. To plot the point (−2, −3), start at the origin. Move 2 units to the left and 3 units down.

c. To plot the point (2, 0), start at the origin. Move 2 units to the right and 0 units up.

(3,4)

→3 ↑4

(-2,-3)

2← ↓3

(2,0)

→2 only