

Interactive Study Guide **9-3 The Coordinate Plane**

A **coordinate plane** is formed by two number lines in a plane that intersect at right angles. The two number lines are called the **axes** and they divide the coordinate plane into four **quadrants**. The point where the axes intersect is called the **origin**.

Vocabulary

axes
coordinate plane
origin
quadrants

Identifying Quadrants

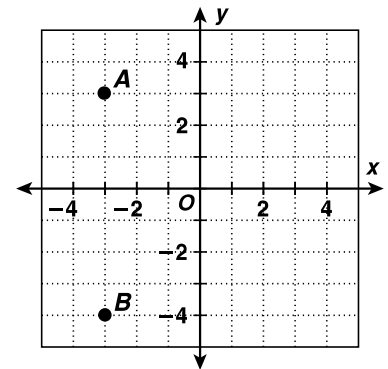
Name the quadrant where each point is located.

A. A

Place your pencil on Point A. Which quadrant is it located? Quadrant _____

B. B

Place your pencil on Point B. Which quadrant is it located? Quadrant _____



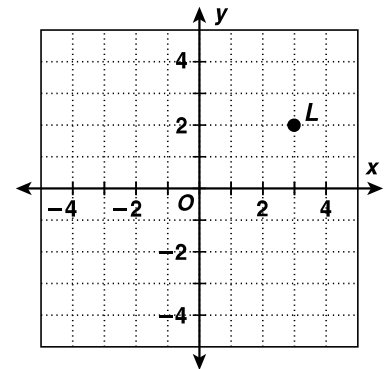
Locating Points on the Coordinate Plane

Give the coordinates of point L.

From the origin, how many units to the right is point L? _____

From the origin, how many units up is point L? _____

Point L is located at (_____, _____).



Graphing Points on the Coordinate Plane

Graph each point on the coordinate plane.

A. $P(-1, 0)$

Start at the origin.

How many units to the left or right

will you move? _____

How many units up or down will you move? _____

Plot and label point P.

B. $J(0, 4)$

Start at the origin.

How many units to the left or right will you move? _____

How many units up or down will you move? _____

Plot and label point J.

