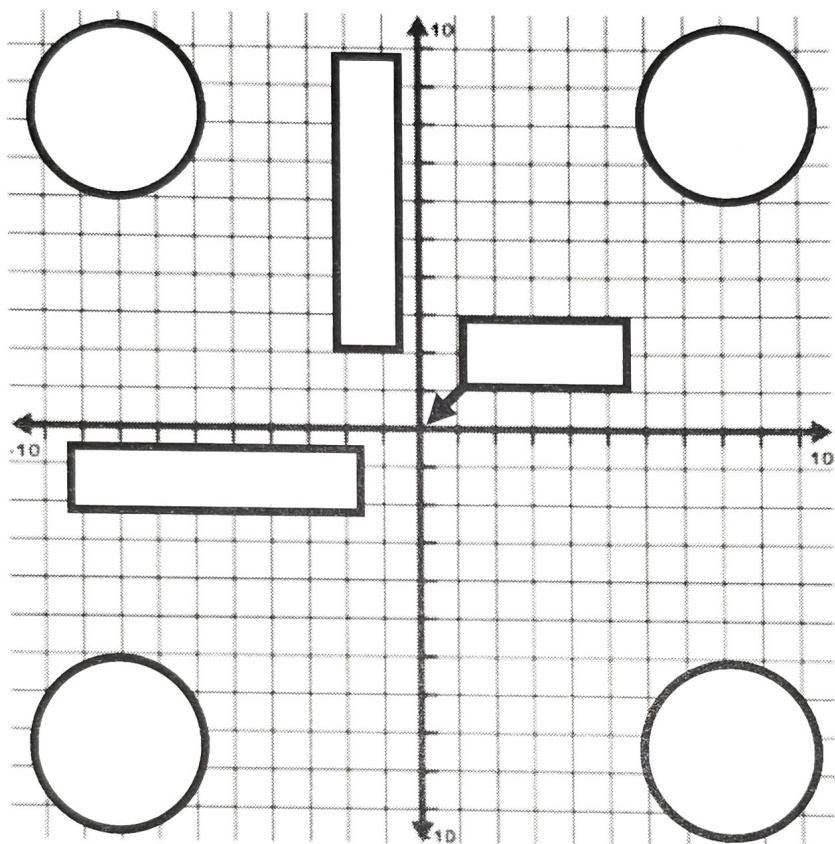


# Graphing Ordered Pairs

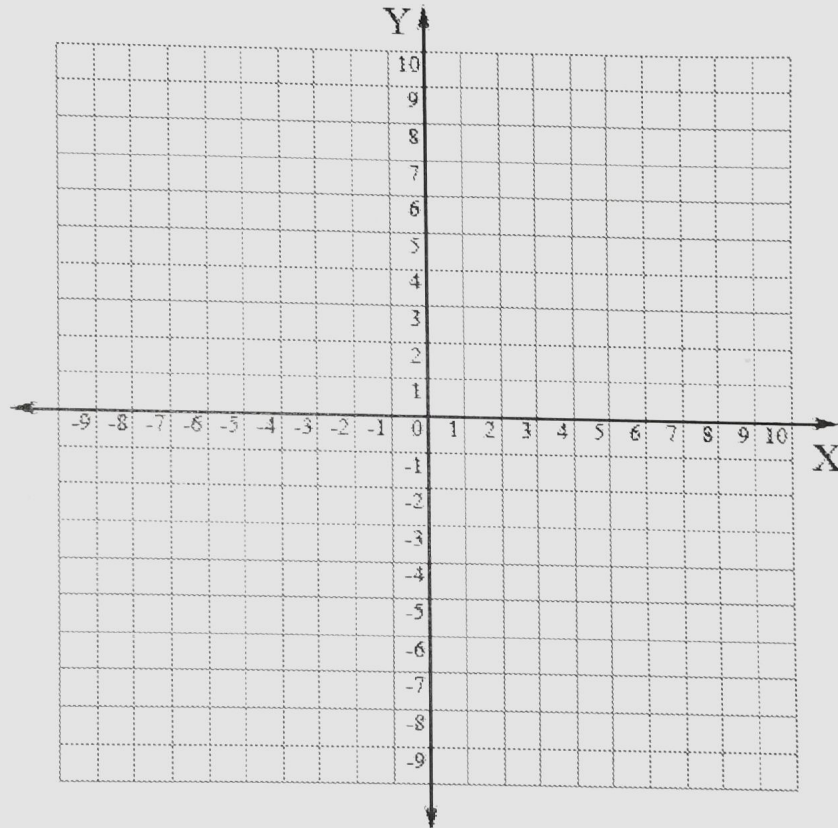


**(X, Y)**



## The Coordinate System

- A **coordinate system**, or coordinate plane, is used to locate points in a 2-dimensional plane.
- The horizontal number line is the \_\_\_\_\_.
- The vertical number line is the \_\_\_\_\_.
- Their intersection is the \_\_\_\_\_. (Label)



- The coordinate plane contains four quadrants (I, II, III, IV). Label the quadrants.
- Any point can be located within one of the four quadrants in the coordinate plane using a specific ordered pair of numbers, called its \_\_\_\_\_.

**(x , y)**

- The first number in an ordered pair is the x-coordinate.
- The second number is the y-coordinate.

Example: **(3,2)**     **3** is the **x- coordinate**, **2** is the **y-coordinate**.

- A point is defined on the coordinate plane by one, AND ONLY ONE, ordered pair.