Chapter 3 – Graphing

Y-Axis

Each point in the plane corresponds to an ordered pair (x,y)

Quardrant II (QII)

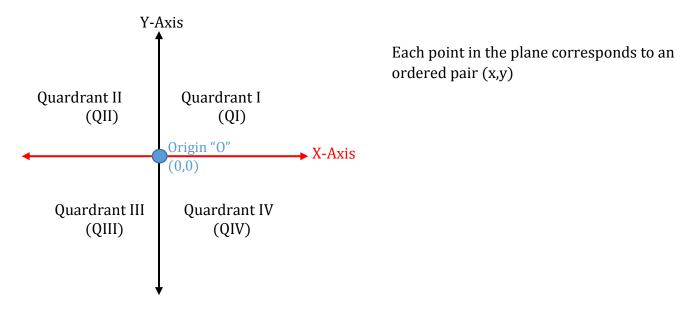Quardrant I (QI)

Origin "O" (0,0)

X-Axis

Quardrant III (QIII)

Quardrant IV (QIV)

- Ordered pairs are graphed as points in a plane on what is called the rectangular **coordinate system**.

- The rectangular coordinate system consists of a **horizontal axis called the x-axis** and a **vertical axis called the y-axis**. The x- and y-axes intersect in a right angle.

- first number in the ordered pair is the **x-coordinate,** second number in the ordered pair is the **y-coordinate**

- The standard form for a linear equation in two variables is: $Ax + By = C$ Where A, B, C are real numbers.