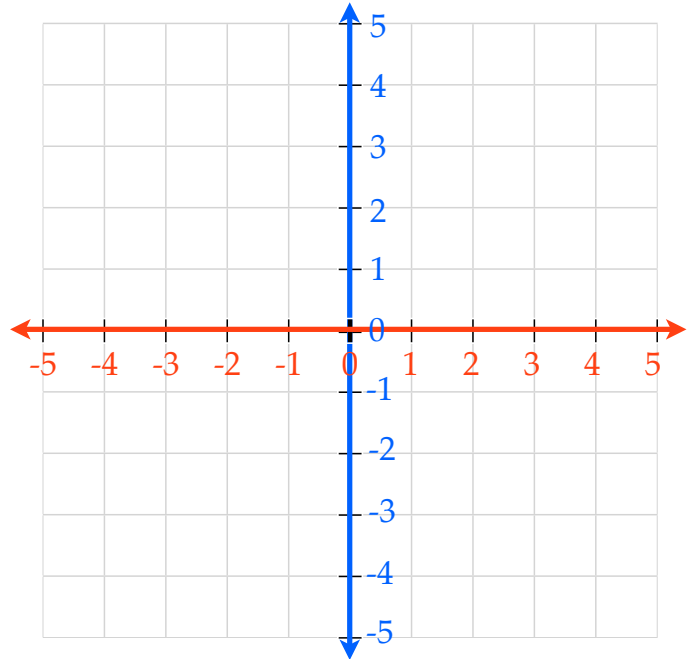Name _____

Date _____   Period _____

The Coordinate Plane

Horizontal number line - x-axis
Vertical number line - y-axis

The Coordinate Plane
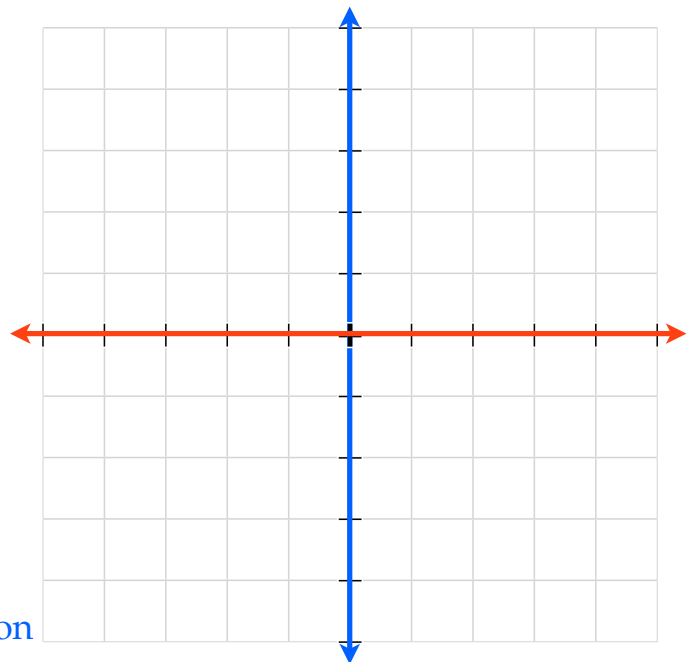
Horizontal number line - x-axis
Vertical number line - y-axis

Ordered Pair - a point within the coordinate plane represented by an (x,y) coordinate.

distance you travel in x direction

$$(x,y)$$

distance you travel in y direction

The Coordinate Plane

Horizontal number line - x-axis
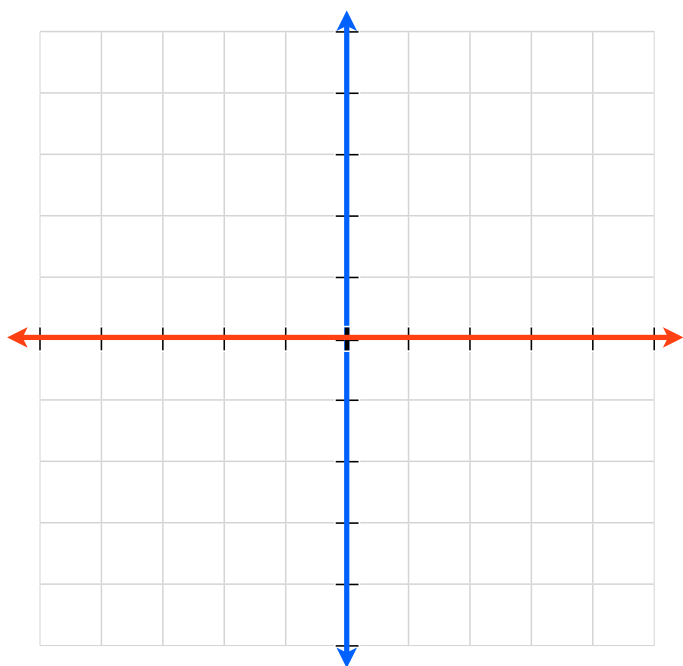Vertical number line - y-axis

Ordered Pair - a point within the coordinate plane represented by an (x,y) coordinate.

(2,3)   (-4,4)

(-1,-2)   (5,0)

The Coordinate Plane

Horizontal number line - x-axis
Vertical number line - y-axis
(0,0) - intersection of x-axis and y-axis - origin

Quadrants
  quadrant 1: x is positive *and* y is positive
  quadrant 2: x is negative *and* y is positive
  quadrant 3: x is negative *and* y is negative
  quadrant 4: x is positive *and* y is negative

The Coordinate Plane

Horizontal number line - x-axis
Vertical number line - y-axis
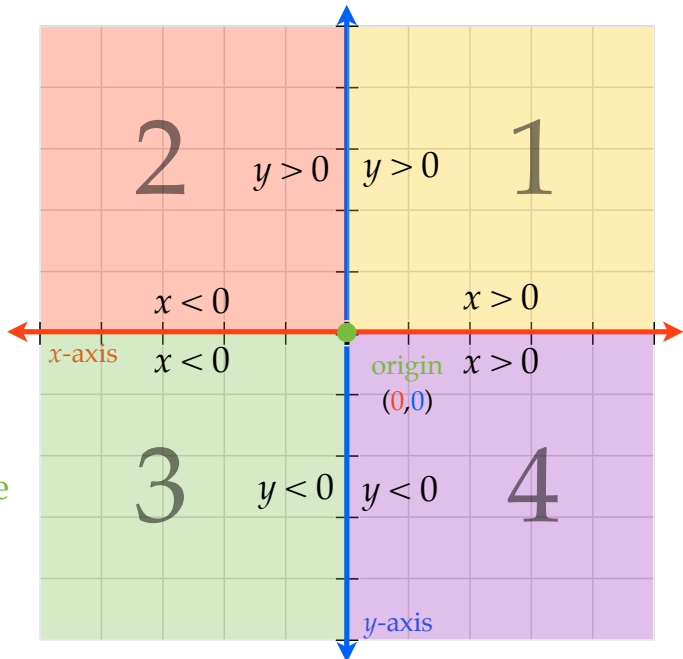$(0,0)$ - intersection of x-axis and y-axis - origin

Quadrants

quadrant 1: x is positive *and* y is positive
quadrant 2: x is negative *and* y is positive
quadrant 3: x is negative *and* y is negative
quadrant 4: x is positive *and* y is negative

(-4,4)
Quadrant 2

(2,3)
Quadrant 1

x-axis

x-axis

(5,0)

Quadrant 3

(-1,-2)

y-axis