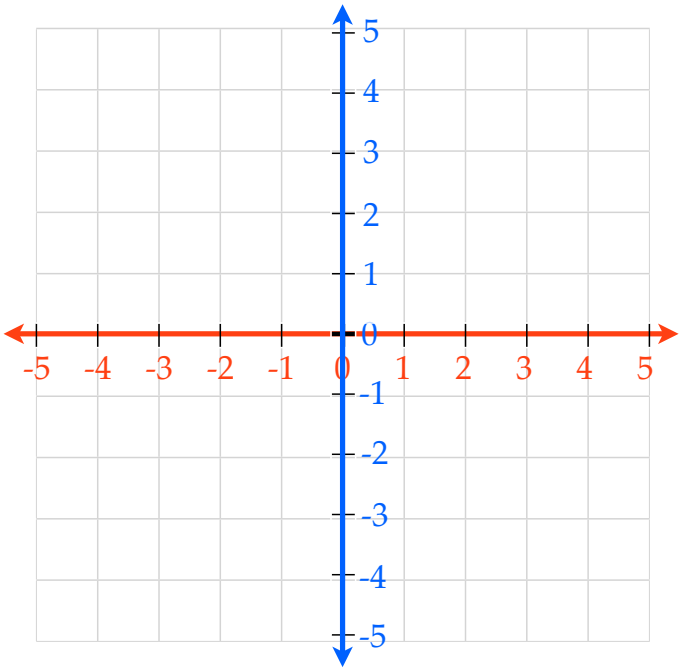
Name _____
Date _____ Period _____

The Coordinate Plane

Horizontal number line
Vertical number line



The Coordinate Plane

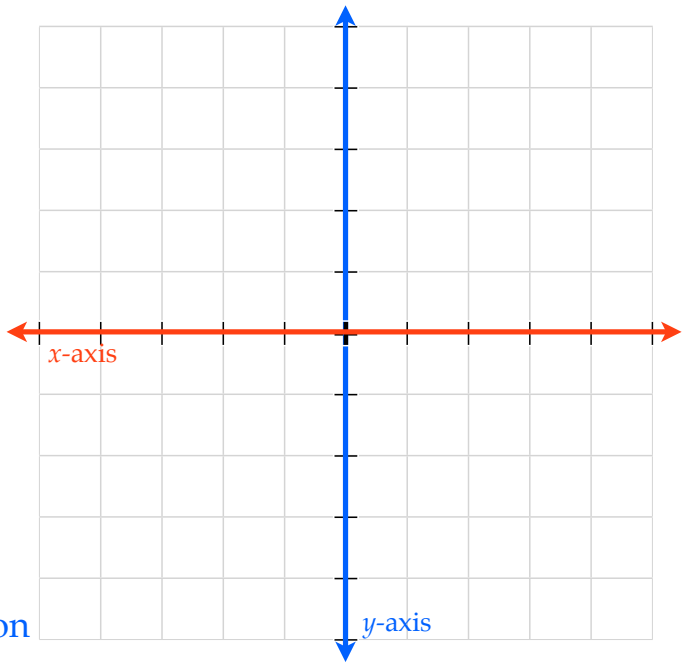
Horizontal number line - x-axis
Vertical number line - y-axis

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



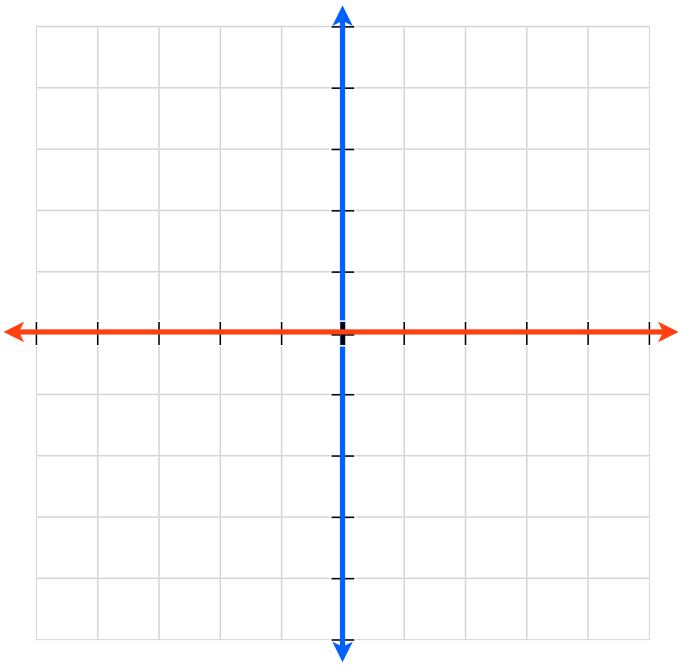
The Coordinate Plane

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

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

(4,1) (-3,5)

(0,-3) (1,-4)



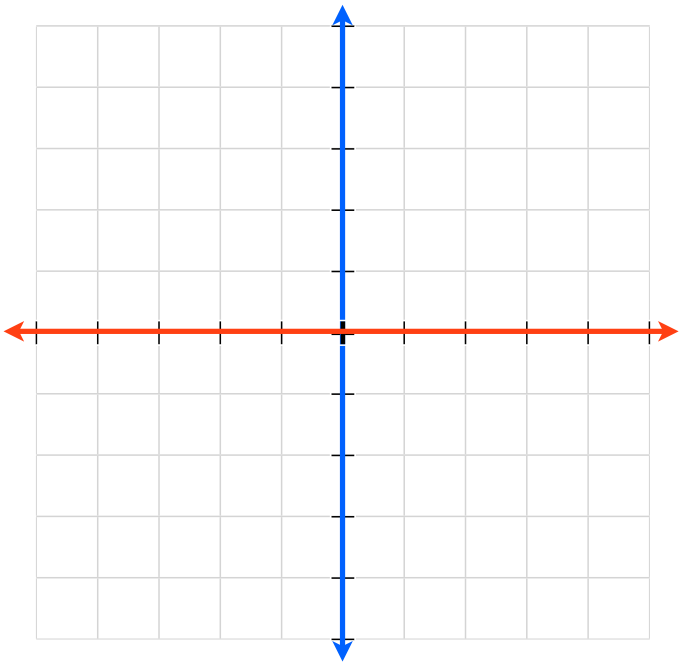
The Coordinate Plane

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

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

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

(2,-3) (-4,2)

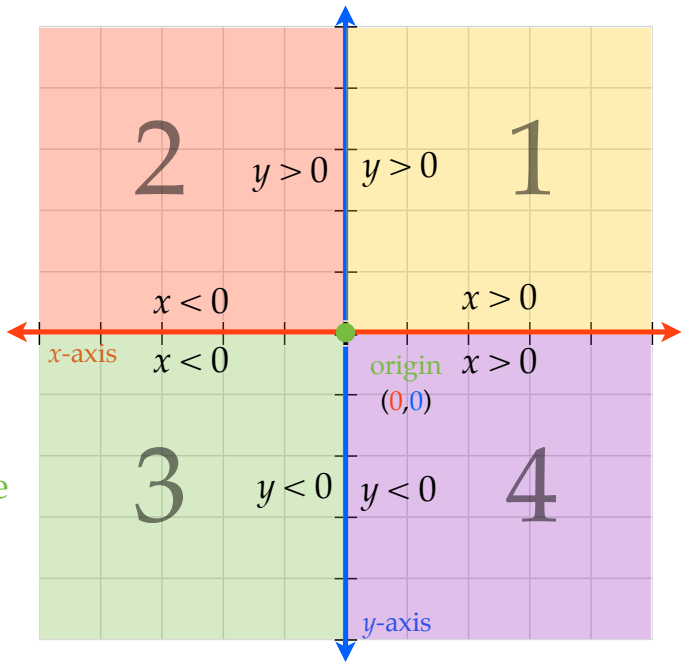


The Coordinate Plane

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

(4,8) (-6,-3)

(4,-4) (0,5)

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