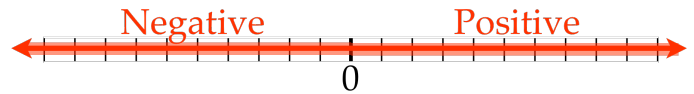


The Coordinate Plane

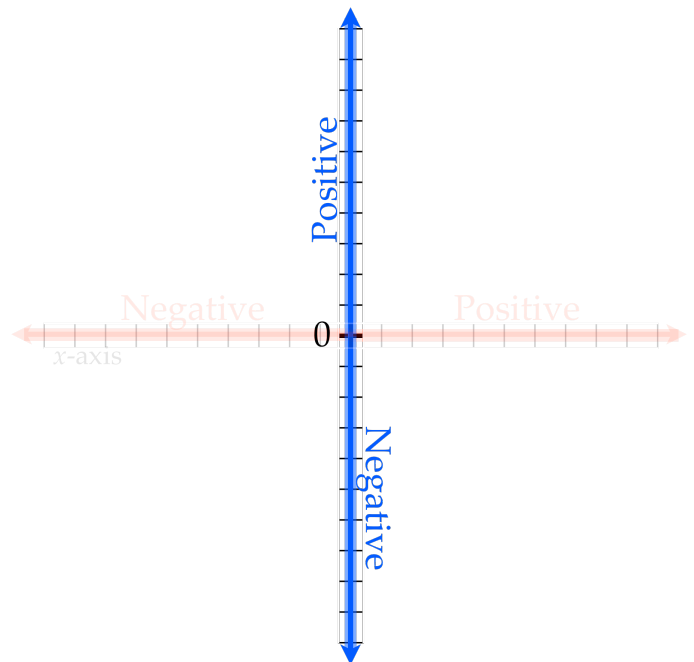
Horizontal number line - x -axis



The Coordinate Plane

Horizontal number line - x -axis

Vertical number line - y -axis



The Coordinate Plane

Horizontal number line - x -axis

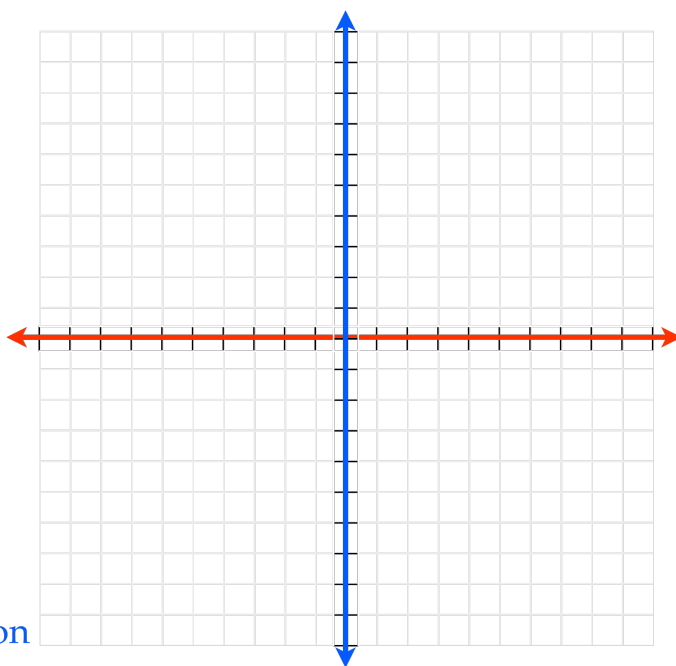
Vertical number line - y -axis

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

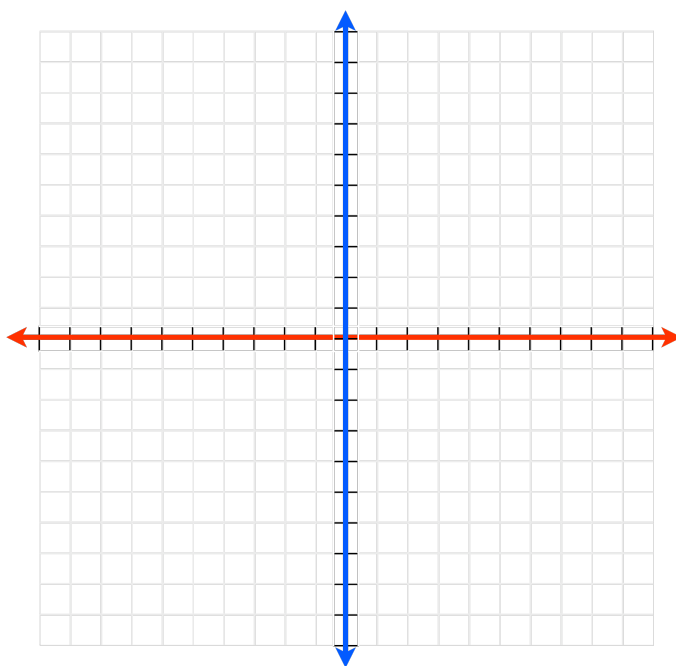
Ordered Pair - a point within the coordinate plane represented by an (x,y) coordinate.

$(2,4)$

$(-3,5)$

$(-2,-1)$

$(5,0)$



The Coordinate Plane

Horizontal number line - x -axis

Vertical number line - y -axis

$(0,0)$ - intersection of x -axis and y -axis - origin

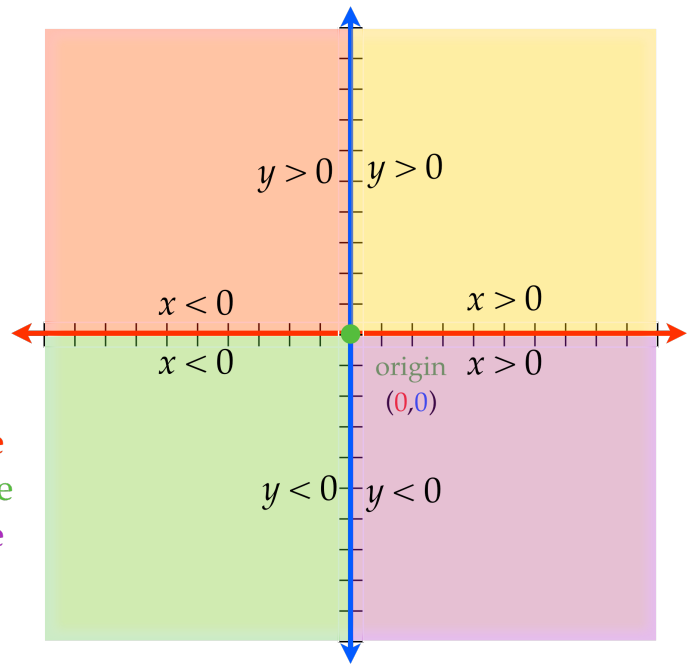
Quadrants

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

