The coordinate pair is made up of two lines: horizontal and vertical.

First, let’s look at the horizontal line: The X-axis.

From the origin, the positive X values go right.

(show)

…and the negative X values go left.

(show)

Now, the vertical line: The Y-axis.

From the origin, the positive Y values go up.

(show)

…and the positive Y values go down.

When you pair the X and Y axis together, you get a coordinate.

The coordinate is a point where the two lines intersect. Watch the two values change as Robert moves.

Next up, we will go over the quadrants.

(go to next level)

The quadrants are the four sections of the grid (or coordinate plane).

(show)

As you can see, the quadrants are divided by the X and Y axis from the origin.

Each one determines the sign values of the X and Y: positive or negative.

Now let’s help Robert move from Quadrant 1 to Quadrant 2.

(tutorial stuff)

Nice! Next stop: Quadrant 3.

(tutorial stuff)

One last destination: Quadrant 4.

(tutorial stuff)

Excellent! Now we are ready to patch the system!

(victory, next level)