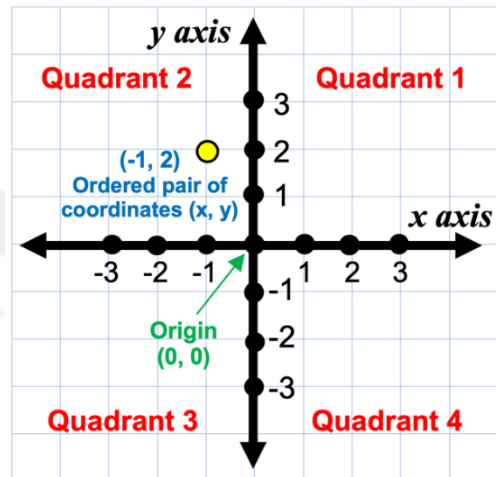# Cartesian Plane

What is the Cartesian Plane?

The **Cartesian coordinate system** is a way to describe the location of an object using two number lines.

The location or coordinates of an object in the plane is written as: **(x, y)**

The values of *x* and *y* are measured from the origin which is at **(0, 0).**

The **x-axis** runs horizontally.
The **y-axis** runs vertically.
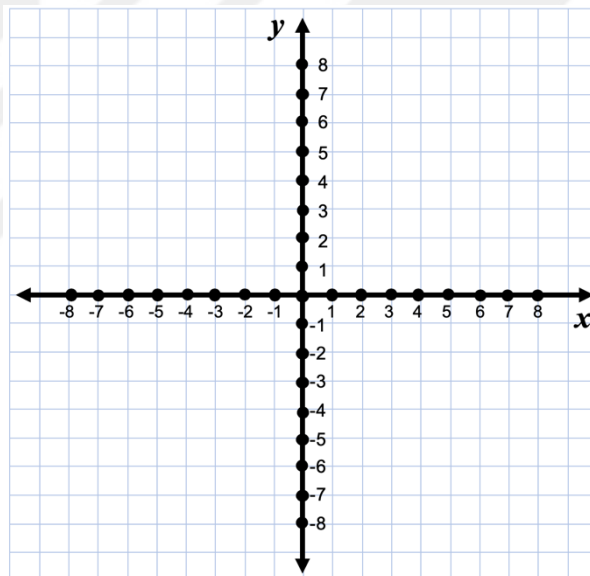Together, these two perpendicular axes form **four quadrants**.

Both axes have positive and negative numbers.

Instructions: Answer the questions below.

1	Plot the coordinates on the Cartesian plane below.

(8, 5)   (2, -2)

(5, -3)   (-5, 8)

(2, 4)   (1, -1)

(-7, 7)   (4, 2)

(-6, 3)   (-3, -6)

(3, 0)   (7, -1)

2	Write the coordinates of the points below.