

Cartesian Plane

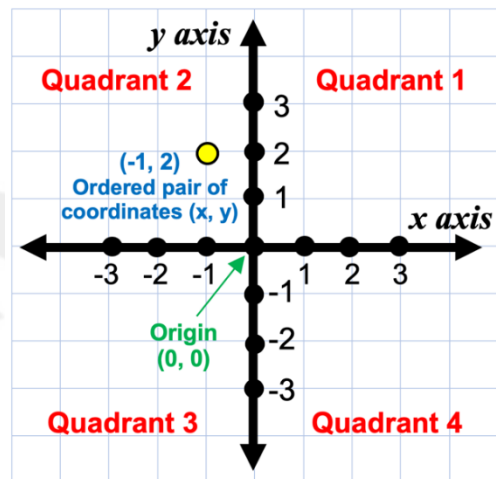
What is the Cartesian Plane?

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**.

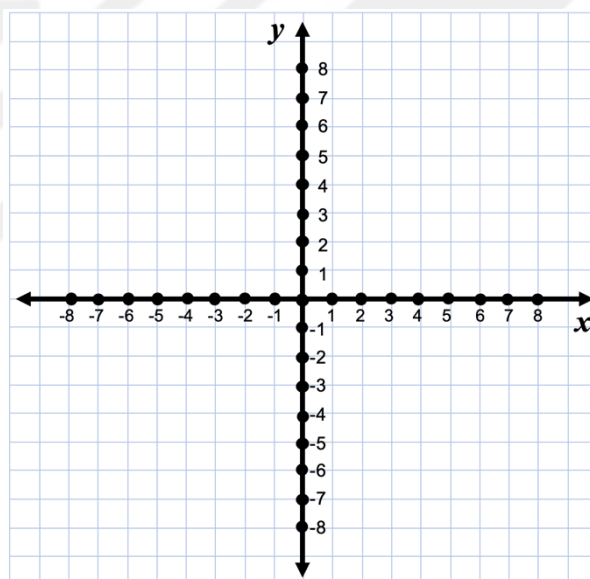


Both axes have positive and negative numbers.

Instructions: Answer the questions below.

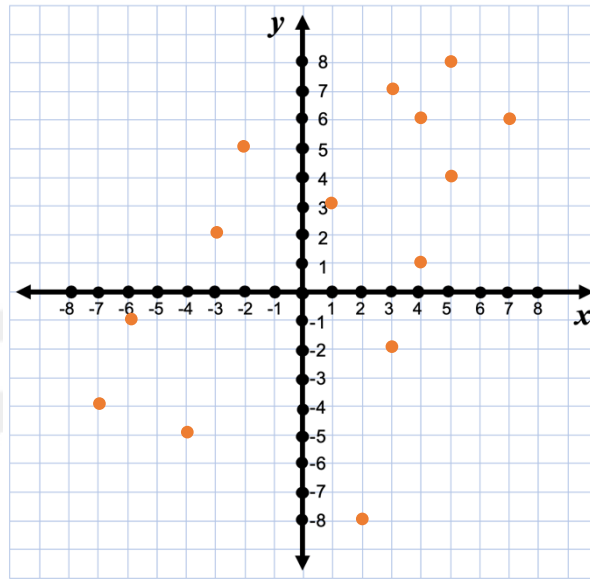
1 Plot the coordinates on the Cartesian plane below.

$(1, 2)$	$(-3, 2)$
$(-4, 3)$	$(7, 8)$
$(5, 1)$	$(-5, 1)$
$(-8, 8)$	$(-6, -4)$
$(-7, 3)$	$(8, 7)$
$(8, 1)$	$(4, 4)$





2 Write the coordinates of the points below.



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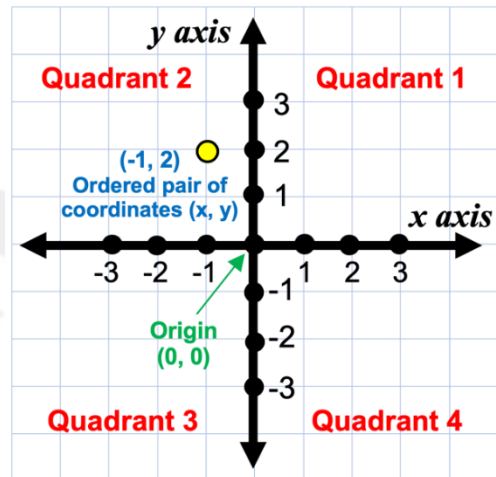
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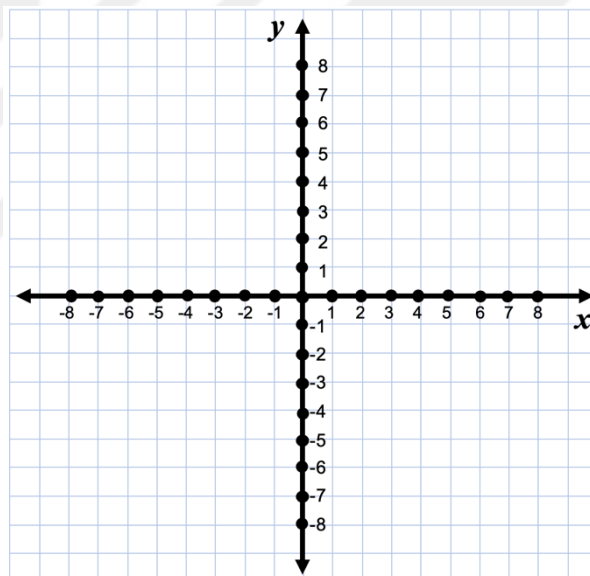


Both axes have positive and negative numbers.

Instructions: Answer the questions below.

1 Plot the coordinates on the Cartesian plane below.

$(5, -5)$	$(-7, 5)$
$(4, 8)$	$(6, 6)$
$(-7, 1)$	$(-1, -8)$
$(-8, 2)$	$(-2, 7)$
$(3, 4)$	$(8, 3)$
$(5, -3)$	$(3, -4)$





2 Write the coordinates of the points below.

