Integers on the Coordinate Plane
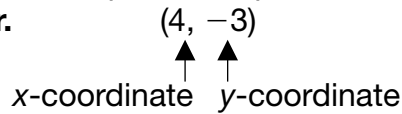
Parts of a coordinate plane:

x-axis: a horizontal number line
y-axis: a vertical number line
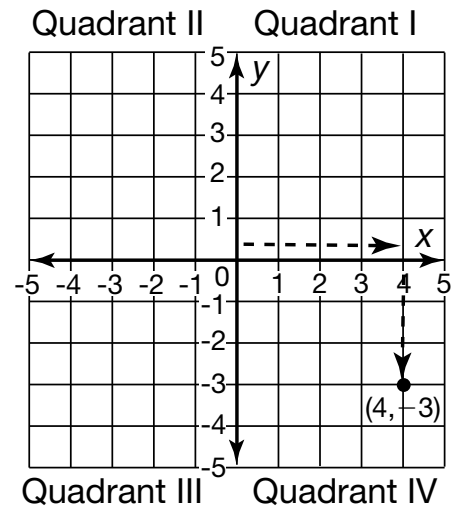**origin:** the place where the two number lines meet
quadrants: the four sections created by the two
          number lines

A point in a coordinate plane is represented by
an **ordered pair.** $(4, -3)$

          x-coordinate y-coordinate

To locate point $(4, -3)$, start at the origin.
Move to 4 on the x-axis. Then move to -3 on the y-axis.

Quadrant II   Quadrant I

Quadrant III   Quadrant IV

Graph and label these points on the coordinate plane.

1. $(4, 1)$

2. $(-3, 3)$

3. $(2, 0)$

4. $(4, -2)$

5. $(-2, 4)$

6. $(-3, -4)$

Write the ordered pair for each point.

7. A _____

8. B _____

9. D _____

10. E _____
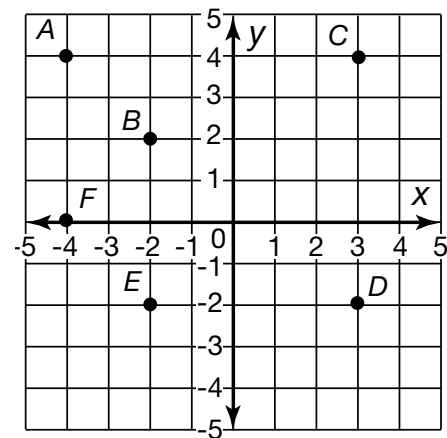
11. Writing to Explain How would you plot the point $(-8, 10)$
on the coordinate plane?

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_____

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12. Reasoning In what quadrant will a point with a
negative x-coordinate and a positive y-coordinate
(negative number, positive number) be located?

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