Graphing Points on a 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 III

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
- **11. Geometry** If you join points *BCDE* in order, what shape is the figure?

12. Reasoning In what quadrant will a point with a

negative *x*-coordinate and a positive *y*-coordinate (negative number, positive number) be located?

10. *E*

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