

Graphing Points on a Coordinate Plane

Parts of a coordinate plane:

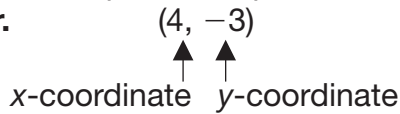
x-axis: a horizontal number line

y-axis: a vertical number line

origin: the place where the two number lines meet

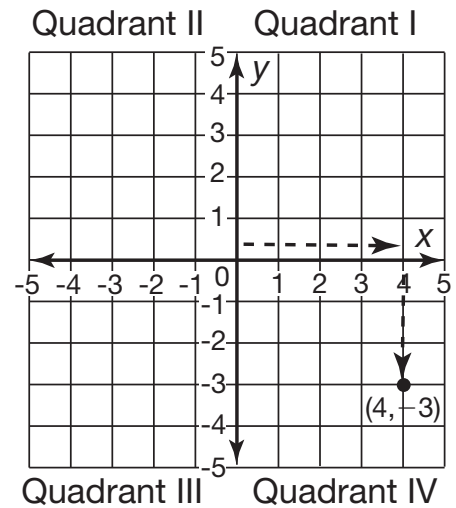
quadrants: the four sections created by the two number lines

A point in a coordinate plane is represented by an **ordered pair**.



To locate point (4, -3), start at the origin.

Move to 4 on the x-axis. Then move to -3 on the y-axis.

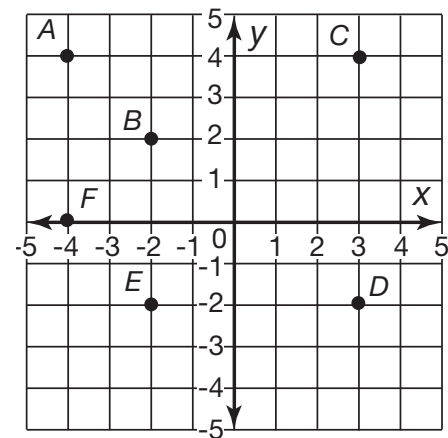


Graph and label these points on the coordinate plane.

- | | |
|------------|-------------|
| 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. **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?
