

# Independent Practice

## 10.1

NAME \_\_\_\_\_

Module 10 Coordinate Geometry and Spatial Visualization

Lesson 1 Points in a Coordinate Plane

Write the ordered pair representing each point.

1.  $A$

2.  $B$

3.  $C$

4.  $D$

5.  $E$

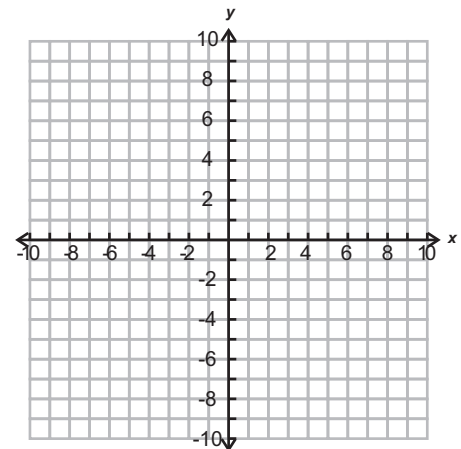
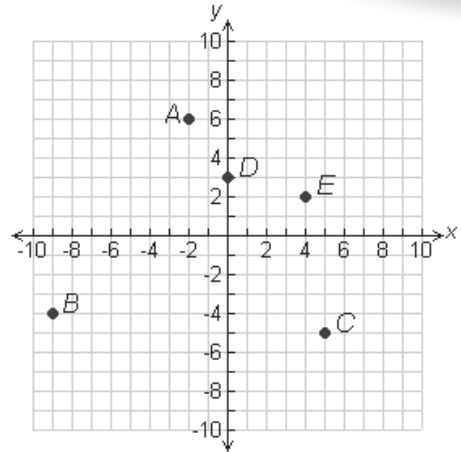
6. Which point is in Quadrant II?

7. In which quadrant is point  $E$  located?

8. On which axis is point  $D$  located?

9. Plot and label each point. The first one has been done.

$F(1, 3)$   $G(7, -2)$   $H(8, 0)$   $I(6, -8)$   $J(-3, -5)$   $K(-5, 9)$



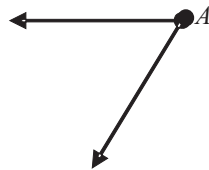
10. Juan plotted a point with coordinates  $(2, y)$ . If the value of  $y$  is one plus three times the opposite of  $x$ , what is the value of  $y$  and in which quadrant is the point located in?

## Journal

1. Explain how to plot the point whose coordinates are  $(4, -6)$ .
2. Into how many quadrants do the  $x$ -axis and  $y$ -axis divide the coordinate plane? Explain how they are numbered.
3. Terri said the point whose coordinates are  $(0, -4)$  is located on the  $x$ -axis. Paul said the point is located on the  $y$ -axis. Who is correct and why?

## Cumulative Review

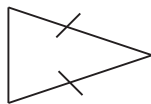
1. Estimate  $m\angle A$ .



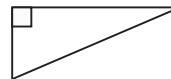
2. Find the measure of the complement and supplement of an angle whose measure is  $78^\circ$ .

Classify the triangle by its sides and by its angle measures.

- 3.



- 4.



Determine if a triangle with the given side lengths is a right triangle.

5. 12, 16, 20

6. 8, 14, 17

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For each segment in circle  $E$ , write *radius*, *diameter*, and/or *chord*.

7.  $\overline{BE}$

8.  $\overline{AD}$

9.  $\overline{BD}$

10.  $\overline{EC}$

