Practice B

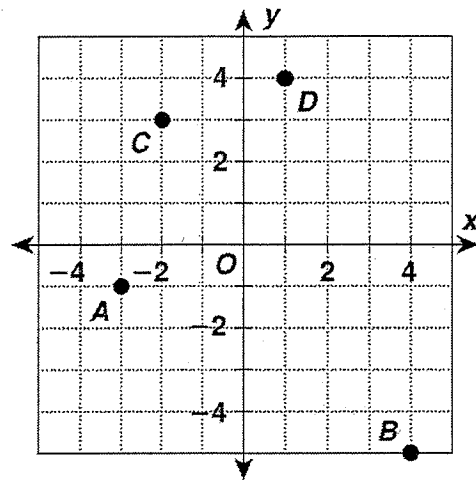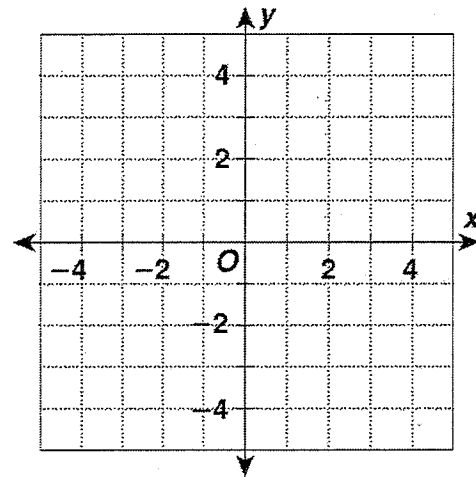**5-1** *The Coordinate Plane*

Identify the quadrant that contains each point.

1. A _____

2. B _____

3. C _____
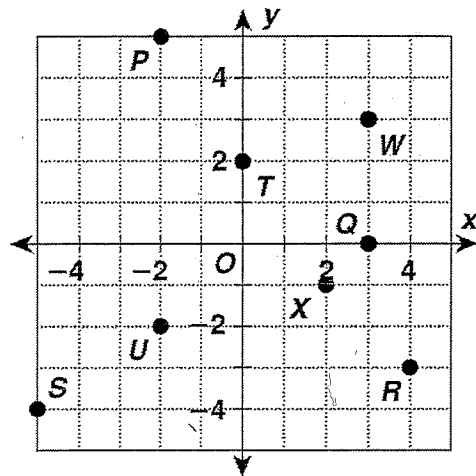
4. D _____

Plot each point on a coordinate plane.

5. (−4, 0)

6. (3, −3)

7. (1, 4)

8. (−5, −1)

9. (−2, 2)

10. (−1, −4)

Give the coordinates of each point.

11. P _____

12. Q _____

13. R _____

14. S _____
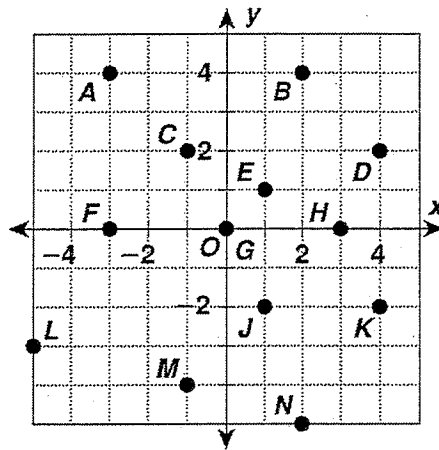
15. T _____

16. U _____

17. W _____

18. X _____

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LESSON	**Problem Solving**
5-1	*The Coordinate Plane*

Write the correct answer.

1. Use the coordinate plane at right. In which quadrant(s) would the figure drawn by connecting points *J*, *K*, and *N* be?

_____

2. Use the coordinate plane at right. In which quadrant(s) would the figure drawn by connecting points *C*, *F*, and *M* be?

_____

3. Maxine left home and walked 5 blocks north, 5 blocks west, 5 blocks south, and 5 blocks east. Where did she end up?

_____

4. Mr. Chin drove 2 miles north, then 3 miles east, then 2 miles south. How far is Mr. Chin from where he started?

_____

Choose the letter for the best answer.

5. Which one of these points lies in Quadrant II of the coordinate plane?

  A (5, 1)   C (−5, 1)

  B (5, −1)   D (−5, −1)

6. In which quadrant of the coordinate plane is the figure formed by joining (−4, −5), (−2, −3) and (−1, −1)?

  F Quadrant I   H Quadrant III

  G Quadrant II   J Quadrant IV

7. Abe and Carlos left the library at the same time. Abe walked 4 blocks north and 5 blocks west. Carlos walked 4 blocks east and 4 blocks north. How far apart were they?

  A 10 blocks   C 8 blocks

  B 9 blocks   D 5 blocks

8. When a point lies on the *x*-axis, which of these must be true?

  F The *x*-coordinate is 0.

  G The *y*-coordinate is 0.

  H The *x*-coordinate is greater than the *y*-coordinate.

  J The *y*-coordinate is greater than the *x*-coordinate.

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