Name _____ Date _____ Class _____

LESSON 9-3

Practice C

The Coordinate Plane

Use the coordinate plane to answer questions 1–8.

Name the quadrant where each point is located and give the coordinates for each point.

1. *Y* _____

2. *D* _____

3. *Z* _____

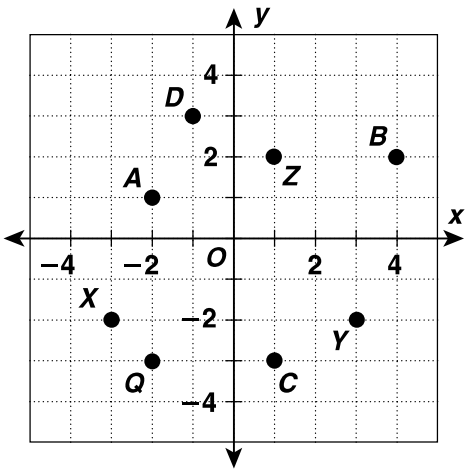
4. *X* _____

5. *C* _____

6. *B* _____

7. *A* _____

8. *Q* _____



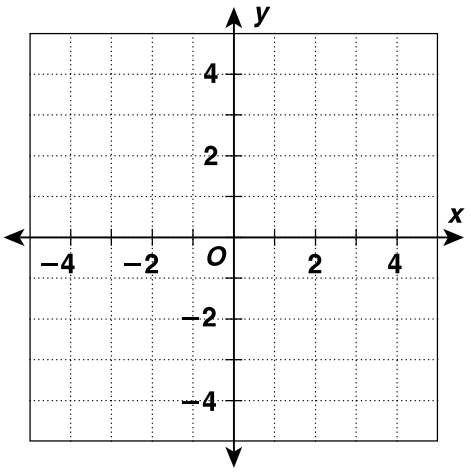
To rotate a point 180° about the origin, you graph the opposite of each coordinate. Write the ordered pair for the rotated point and then graph it.

9. *P* (1, 3) _____

10. *U* (−2, 4) _____

11. *V* (0, −1) _____

12. *T* (−3, −2) _____



13. What patterns can you find between the coordinates of any point located in Quadrant I and the coordinates of any point located in Quadrant III?

_____

_____

_____

_____

14. On a city grid, the post office is located at (3, −2) and the fire station is located at (−2, 3). Which building is located the farthest west? the farthest south?

_____

_____

_____

_____