Name _____

Ordered Pair Relationships

COMMON CORE STANDARD—6.NS.6B
Apply and extend previous understandings of numbers to the system of rational numbers.

Identify the quadrant where the point is located.

1. $(10, {}^{-}2)$ Quadrant: IV

2. $({}^{-}5, {}^{-}6)$ Quadrant: _____

3. $(3, 7)$ Quadrant: _____

4. $({}^{-}4, 9)$ Quadrant: _____

5. $(8, {}^{-}1)$ Quadrant: _____

6. $({}^{-}11, 6)$ Quadrant: _____

The two points are reflections of each other across the *x*- or *y*-axis. Identify the axis.

7. $(5, 3)$ and $({}^{-}5, 3)$

axis: _____

8. $({}^{-}7, 1)$ and $({}^{-}7, {}^{-}1)$

axis: _____

9. $({}^{-}2, 4)$ and $({}^{-}2, {}^{-}4)$

axis: _____

Give the reflection of the point across the given axis.

10. $({}^{-}6, {}^{-}10)$, *y*-axis

_____

11. $({}^{-}11, 3)$, *x*-axis

_____

12. $(8, 2)$, *x*-axis

_____

Problem Solving Real World

13. A town's post office is located at the point $(7, 5)$ on a coordinate plane. In which quadrant is the post office located?

_____

14. The grocery store is located at a point on a coordinate plane with the same *y*-coordinate as the bank but with the opposite *x*-coordinate. The grocery store and bank are reflections of each other across which axis?

_____