Name _____

Distance on the Coordinate Plane

Find the distance between the pair of points.

1. $(1, 4)$ and $(^-3, 4)$

$$|1| = 1; |^-3| = 3;$$
$$1 + 3 = 4$$

_____4_____ units

2. $(7, ^-2)$ and $(11, ^-2)$

_____ units

3. $(6, 4)$ and $(6, ^-8)$

_____ units

4. $(8, ^-10)$ and $(5, ^-10)$

_____ units

5. $(^-2, ^-6)$ and $(^-2, 5)$

_____ units

6. $(^-5, 2)$ and $(^-5, ^-4)$

_____ units

Write the coordinates of a point that is the given distance from the given point.

7. 5 units from $(^-1, ^-2)$

$$\left(\boxed{}, ^-2 \right)$$

8. 8 units from $(2, 4)$

$$\left(2, \boxed{} \right)$$

9. 3 units from $(^-7, ^-5)$

$$\left(^-7, \boxed{} \right)$$

10. 6 units from $(4, ^-1)$

$$\left(4, \boxed{} \right)$$

11. 10 units from $(^-1, 9)$

$$\left(\boxed{}, 9 \right)$$

12. 7 units from $(^-3, 2)$

$$\left(\boxed{}, 2 \right)$$

Problem Solving *Real World*

The map shows the locations of several areas in an amusement park. Each unit represents 1 kilometer.

13. How far is the Ferris wheel from the rollercoaster?

_____

14. How far is the water slide from the restrooms?

_____

Amusement Park