

Name: _____

Date: _____

Period: _____

Identify the Vertex and Slope of each equation. Identify the Domain and Range for each function using set notation. Graph each equation on its own graph on a separate piece of graph paper.

1. $y = |x - 1|$

V: _____ Slope: _____

Domain: _____ Range: _____

2. $y = |x - 1| - 2$

V: _____ Slope: _____

Domain: _____ Range: _____

3. $y = |x + 3| + 3$

V: _____ Slope: _____

Domain: _____ Range: _____

4. $y = |x - 2|$

V: _____ Slope: _____

Domain: _____ Range: _____

5. $y = |x + 4| + 3$

V: _____ Slope: _____

Domain: _____ Range: _____

6. $y = |x - 4| - 4$

V: _____ Slope: _____

Domain: _____ Range: _____

7. $y = -|x - 2| - 2$

V: _____ Slope: _____

Domain: _____ Range: _____

8. $y = -|x - 4|$

V: _____ Slope: _____

Domain: _____ Range: _____

9. $y = -|x| + 2$

V: _____ Slope: _____

Domain: _____ Range: _____

10. $y = -|x + 1| + 3$

V: _____ Slope: _____

Domain: _____ Range: _____

11. $y = -|x| + 4$

V: _____ Slope: _____

Domain: _____ Range: _____

12. $y = -|x + 1| - 1$

V: _____ Slope: _____

Domain: _____ Range: _____