

HW64

AI D & R WKST

1. relation

$$D: \{1, 2, 3, 4\}$$

$$R: \{-16, -9, -4, -1, 2\}$$

2. relation

$$D: \{-2, 1, 3, 4, 5\}$$

$$R: \{1, 2, 3, 4, 5\}$$

3. function

$$D: [-3, 11]$$

$$R: [-4, 9]$$

4. relation

$$D: \{-3, -2, -1, 0\}$$

$$R: \{-10, -8, -6, -4, -2, 0\}$$

5. relation

$$D: [-1, 1]$$

$$R: [-2, 2]$$

6. relation

$$D: \{1, 2, 3, 4\}$$

$$R: \{-16, -9, -4, -1, 2\}$$

7. function

$$D: \{-1, 0, 1, 2\}$$

$$R: \{0, 1, 4\}$$

8. function

$$D: \{-2, 1, 3, 5\}$$

$$R: \{3, 1, 2, 4\}$$

9. function

$$D: (-\infty, \infty)$$

$$R: [2, \infty)$$

10. function

$$D: [-2, 3)$$

$$R: [1, 4)$$

11. function

$$D: (-1, \infty)$$

$$R: (-\infty, 3)$$

12. relation

$$D: \{1\}$$

$$R: \{-3, 0, 2\}$$

13. answers will vary

$$\begin{array}{r} 14. \quad -2x - 4y = 30 \\ \quad \quad 2x + 4y = 30 \\ \hline \quad \quad \quad 0 = 0 \end{array}$$

infinite solutions

$$15. \quad \begin{array}{r|l} x & y \\ -2 & -11 \\ 3 & 4 \\ 7 & 16 \\ 3.6\bar{3} & 5.9 \end{array}$$