

SKILLS PRACTICE 7

1. $y = 3x - 5$; Range: {Real numbers}
 2. $y = \frac{1}{2}x + 4$; Range: {Real numbers}
 3. $y = 2x^2$; Range: $\{y \geq 0\}$
 4. $y = -2x^2$; Range: $\{y \leq 0\}$
 5. $y = -\frac{2}{x}$; Range: $\{y < 0\}$
 6. $y = \frac{3}{x}$; Range: $\{\frac{3}{4} \leq y \leq 6\}$
 7. $y = |x + 3|$; Range $\{0 \leq y \leq 5\}$
 8. $y = |x| - 5$; Range: $\{y \geq -5, \text{ integers}\}$
 9. $y = x^2 + 2x - 3$; Range: $\{y \geq -4\}$
 10. $y = x^2 + 2$;
Range: $\{y = 2, 3, 6, 11, 18\}$
 11. D: $\{-5 < x \leq 3\}$; R: $\{-4 < y \leq 6\}$
 12. D: $\{-7 \leq x < 4\}$; R: $\{-3 \leq y < 5\}$
 13. D: $\{-4 < x \leq 1\}$; R: $\{-3 \leq y < 5\}$
 14. D: $\{-6 < x < 6\}$; R: $\{-2 < y < 5\}$
- 15–18. Answers may vary.