# Unit 5: Functions

CONCEPT

Name: _____ Date: _____

*For each problem, use the given function rule and show your single final answer exactly as a number, fraction, or coordinate pair.*

**1.** If f(x) = x + 4, find f(3).

**Answer:** _____

**2.** If g(x) = 2x, find g(5).

**Answer:** _____

**3.** If h(x) = x - 7, find h(10).

**Answer:** _____

**4.** If f(x) = 3x + 1, find f(2).

**Answer:** _____

**5.** If f(x) = x + 6, find the value of x when f(x) = 10.

**Answer:** _____

**6.** A function is given by the set of pairs {(1, 5), (2, 8), (3, 11)}. What is f(2)?

**Answer:** _____

**7.** For the function with pairs {(0, 4), (1, 6), (2, 8)}, list its domain as a set of numbers.

**Answer:** _____

**8.** For the function with pairs {(0, 4), (1, 6), (2, 8)}, list its range as a set of numbers.

**Answer:** _____

**9.** If f(x) = 5x, find f(0).

**Answer:** _____

**10.** If f(x) = 10 - x, find f(4).

**Answer:** _____

**11.** The point (3, 9) lies on the graph of y = f(x). What is f(3)?

**Answer:** _____

**12.** If f(x) = 2x - 3, find the value of x when f(x) = 7.

**Answer:** _____