## 3.3 Function Notation

If f(x) = 3x + 4, evaluate f(2), f(7)-9, and f(h + 9)

## EXAMPLE 2 Interpreting Function Notation

Let f(t) be the outside temperature (°F) t hours after 6 A.M. Explain the meaning of each statement.

**a.** 
$$f(0) = 58$$
 **b.**  $f(6) = n$  **c.**  $f(3) < f(9)$ 

## EXAMPLE 3 Solving for the Independent Variable

For  $h(x) = \frac{2}{3}x - 5$ , find the value of x for which h(x) = -7.

EXAMPLE 4 Graphing a Linear Function in Function Notation

 $\operatorname{Graph} f(x) = 2x + 5.$ 

