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

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

