Function Notation

To denote that y is a function of x, we can write y = f (x).

Instead of writing y, write f (x), read "f or x." This is function notation, where f is the name of the function. For example, the notation f (4) means to replace x with 4 in the function.

Example 5: If g(x) = 4x + 5 and f(x) = $3x^2 - x + 2$, find the following.

a. g(0)   b. g(-5)

c. f(2)   d. f(-1)

Example 6: If f(x) = 2x + 7, find the following.
a. f(a)   b. f(x + h)