

Example 2: Determine whether each equation defines y as a function of x .

Example 3: Evaluate each function at the given values of the independent variable and simplify.

a. $f(x) = 4x + 5$ i. $f(6)$ ii. $f(x + 1)$ iii. $f(-x)$

b. $g(x) = x^2 + 2x + 3$ i. $g(-1)$ ii. $g(x + 5)$ iii. $g(-x)$