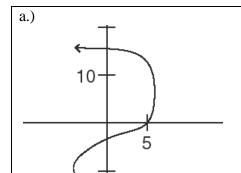
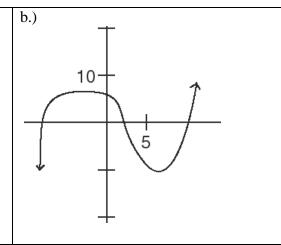
This worksheet will help us practice the basic idea of a function and functional notation

1. For each of the following graphs or equations, tell whether or not the relationship is a function. If it is **not** a function, give an x value that has more than one y value. Also, tell what those y values are (approximately, if need be) and show the points on the graph (if there is a graph).

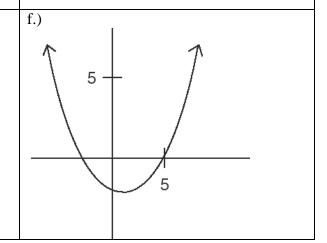




c.)
$$y + 7 = x^2 - 3$$

d.)
$$y^2 = x - 8$$

e.)
$$y = 4x^2 - 3x + 7$$



2. For each of the following functions, use functional notation to find the desired values. Circle and label your final answers.

a.)
$$f(x) = \frac{x+3}{2}$$
; Find $f(-3)$, $f(5)$, and $f(10)$.

b.)
$$g(x) = 4x^3 - 3x^2 + 6x - 4$$
; Find $g(-2)$, $g(0)$, and $g(1)$.

c.)
$$h(t) = 3t^2 + 2t - 1$$
; Find $h(0)$, $h(-3)$, and $h(x + 1)$.