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.) $y+7=x^{2}-3 \quad$ d.)
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.) $g(x)=4 x^{3}-3 x^{2}+6 x-4$; Find $g(-2), g(0)$, and $g(1)$.
c.) $h(t)=3 t^{2}+2 t-1$; Find $h(0), h(-3)$, and $h(x+1)$.
