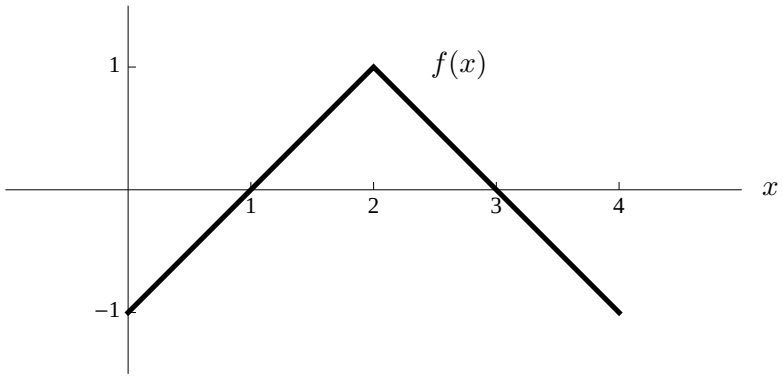
1. [10 points] Suppose $g(x) = x^2$. The graph of a function $f(x)$ is given below. For parts (a)-(c) below, write *all* real numbers z that make the statement true. If no values of z make the statement true, write "NONE". You do not need to show your work.



a. [2 points] $f(g(z)) = 1$.

$z =$_____

b. [2 points] $g(f(z)) = 0$.

$z =$_____

c. [2 points] $f(f(z)) = 0$.

$z =$_____

d. [4 points] The function $h(x)$ is given by the formula $h(x) = \frac{1}{2}f(x+2) - 1$. On the axes provided below, draw a well-labeled graph of $h(x)$.