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.

\[
\begin{align*}
\text{a. [2 points]} & \quad f(g(z)) = 1. \quad z = \underline{\phantom{0}} \\
\text{b. [2 points]} & \quad g(f(z)) = 0. \quad z = \underline{\phantom{0}} \\
\text{c. [2 points]} & \quad f(f(z)) = 0. \quad z = \underline{\phantom{0}} \\
\text{d. [4 points]} & \quad \text{The function } h(x) \text{ is given by the formula } h(x) = \frac{1}{2} f(x + 2) - 1. \text{ On the axes provided below, draw a well-labeled graph of } h(x). 
\end{align*}
\]