Quiz   Name: _____

1. Let $y = f(x)$ be a function so that $f(-2) = 1$ and $f'(-2) = 3$.

   (a) Write the microscope equation at $x = -2$.

   (b) Graph the graph of what you would see in a microscope near $x = -2$.

   (c) Use the microscope equation to estimate $f(-1.9)$.

   (d) Use the microscope equation to estimate $f(-2.3)$.

2. If $H(2) = .3$ and $H'(2) = 4$ then what is a reasonable estimate the solution to $H(x) = 0$?