Math 241 Spring 2019 Professor MG
Quiz 3   Name: _____

Show all work and circle/box your final answer. Justify your answers. All answers must be simplified unless stated otherwise.

1. Using the limit definition of a derivative find the derivative of $f(x) = \sqrt{x}$

2. Show that there is at least one solution to $2x - \cos x = 0$ on the interval $[-\pi, \pi]$. (Note $\cos(\pi) = \cos(-\pi) = -1$)