**QUIZ♯1   Math101-sec 32.**

**Net Time Allowed: 20 minutes**

**Name:**                                **ID ♯ :**                                **Serial ♯:**

**Exercise1:**(05 points)

For the limit $\lim\limits_{x \longrightarrow 5} \sqrt{19 - 2x} = 3$, find a $\delta > 0$ that works for $\epsilon = 1$.

**Exercise2:**(05 points)

Find the limit if it exists. **Justify clearly your answer !**

$$\lim_{x \longrightarrow 0} \left( x^2 \, e^{\sin\left(\frac{\pi}{x}\right)} \right)$$