Quize #3A Math 101 - 17 Sem 031

Name_____I.D.# _____ Serial # ___

Q1 $\lim_{x} x\ 1 \quad \cos\frac{1}{x}$

Q2 Find the value of k at which the function $f\ x$ $\left\{ \begin{array}{ll} \frac{\sin x \quad 3}{x^2 \quad 9} & x \quad 3 \\ k & \text{if } x \quad 3 \end{array} \right\}$ is continuous at $x \quad 3$.

Q3. Determine if $f\ x \quad x^3 \quad x^2 \quad 1$ has any zero in the interval $1,1$