KFUPM - Department of Mathematics and Statistics - Term 173 **MATH 101 QUIZ # 1: Code 1** (Duration = 20 minutes)

NAME:______ ID:_____ Section: _____

Exercise 1 (5 points) Evaluate $\lim_{x \to 0} \frac{\sqrt{4 + x} - \sqrt{4 - x}}{x}$

Exercise 2 (5 points) Evaluate $\lim_{x\to 0}\frac{\sin(3x)}{xe^x}$

KFUPM - Department of Mathematics and Statistics - Term 173 **MATH 101 QUIZ # 1: Code 2** (Duration = 20 minutes)

NAME:______ ID:_____ Section: _____

Exercise 1 (5 points) Evaluate $\lim_{x \to 1} \frac{\sqrt{8+x}-3}{x-1}$

Exe	rcise 2 (5 points) Evaluate
lim	$\sin(2x)\cos(x)$
$x \rightarrow 0$	xe ^x