KFUPM – Department of Mathematics and Statistics – Term 153 MATH 101 QUIZ # 1: Code 1 (Duration = 15 minutes)

NAME:	ID:	Section:
Exercise 1 (5 points)		
$\sqrt{4+x^2} - \sqrt{4-x^2}$		
Find $\lim_{x\to 0} \left(\frac{\sqrt{1+x} + \sqrt{1+x}}{x^2} \right)$		

Exercise 2 (5 points)

Find $\lim_{x\to\pi} (x-\pi)\csc(x)$

KFUPM – Department of Mathematics and Statistics – Term 153 MATH 101 QUIZ # 1: Code 2 (Duration = 15 minutes)

NAME:	ID:	Section:
Exercise 1 (5 points)		
Find $I_{im}(\sqrt{9+x^2}-5)$		
Find $\lim_{x\to 4} \left(\frac{\sqrt{y+x}-3}{x-4} \right)$		

Exercise 2 (5 points)
Find
$$\lim_{x\to 0} \frac{\tan^2(3x)}{x^2}$$

KFUPM – Department of Mathematics and Statistics – Term 153 MATH 101 QUIZ # 1: Code 3 (Duration = 15 minutes)

NAME:	_ ID:	Section:
Exercise 1 (5 points)		
Find $\lim_{x \to 1} \left(\frac{x-1}{\sqrt{x^2 + 3} - 2} \right)$		

Exercise 1 (5 points) $\lim_{x \to 0} x^3 \cot^3(2x)$