King Fahd University of Petroleum and Minerals Department of Mathematics and Statistics

	Math 101 (Term 172) – Quiz 4
Student Name	Student ID:

Exercise 1 [3 points] Let $f(x) = x^{1/3} - x^{-2/3}$. Find the critical numbers of f.

Exercise 2 [3 points] Let $f(x) = x^2 \ln x$. Find the inflection points of f.

Exercise 3 [4 points] Find $\lim_{x \to 0^+} (2 - \cos 4x)^{\cot x} =$