

King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 171) Math 101-50 Quiz # 7

Name: _____ I.D. # _____ Sr. # _____

1. If $f''(x) = e^{-2x} + \cos x$, $f'(0) = 1$, and $f(0) = 0$, find $f(x)$?
2. Evaluate $\lim_{x \rightarrow 0^+} x^{\sin x}$.

King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 171) Math 101-48 Quiz # 7

Name: _____ I.D. # _____ Sr. # _____

1. If $f''(x) = e^{1-x} - \frac{1}{x^2}$, $f'(1) = 1$, and $f(1) = 2$, find $f(x)$?
2. Evaluate $\lim_{x \rightarrow 0^+} \tan x \ln x$.