

King Fahd University of Petroleum and Minerals
Department of Math & Stat
Math 101, Section 22 (091)
Quiz 4

Name: _____

ID #: _____
(Show Your Work)

1. Find y' by implicit differentiation for $y \sin(x^2) = x \sin(y^2)$. (5 points)

2. Find y' of $y = (\ln x)^{\cos x}$. (5 points)