

King Fahd University of Petroleum and Minerals
Department of Mathematical Sciences
Semester(Term 041) **MATH 101 (Quiz-V)**

Name: _____ ID# _____

1. Find the value of $\sin^{-1}\left(\cot\frac{\pi}{4}\right)$.

2. Find y' for each of the following:

(a) $x^3 - \sin^{-1}y = \ln x$.

(b) $\cos^{-1}(xy) = u$.

(c) $y = e^{2x} \tan^{-1} 3x$.