

King Fahd University of Petroleum and Minerals
Semester 181, MATH 101- QUIZ 5

Name

ID

S/N :

Instruction Show your working clearly.

1. Suppose $y = \cos^{-1}\left(\frac{x-2}{x+2}\right)$, find y'

2. If $\tan(x - y) = \frac{y}{1-x^2}$, find y'

3. Suppose $f(x) = 2x^3 - 3x$. If $h(x)$ is the inverse of $f(x)$, find $h'(-1)$