

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

Math 101-02-Term132-Quiz.3

Name: _____

ID: _____ Serial#: _____

Q 1. If $f(x) = \frac{x^3}{4}$ find $f^{-1}(x)$ and the slope of the curve $y = f^{-1}(x)$ at $x = 2$.

Q 2. Find $\frac{dy}{dx}$ when $x = 1$ if $y = \tan^{-1}(\ln x)$.