

King Fahd Univ. of Petroleum and Minerals
Faculty of Sciences
Department of Mathematics and Statistics

QUIZ No. 2
(MATH. 101-121 Section 9)

Name:

ID:

Prob. 1

Find

$$\lim_{x \rightarrow \infty} \arctan(x^3 - x)$$

Prob. 2

Compute the derivative of

$$f(x) = \sin^3(\tan(\cos \sqrt{x}))$$