

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
DEPARTMENT OF MATHEMATICS AND STATISTICS
MATH 101 - QUIZ 5

Name:

Student ID #:

Question 1. Find the absolute maximum and absolute minimum of the function $f(x) = x\sqrt{4 - x^2}$ on the interval $[-1, 2]$.

Question 2. Find the value(s) of c 's that satisfy the conclusion of the Mean Value Theorem for the function $f(x) = \frac{x}{x + 2}$ on the interval $[1, 4]$.

Your Solution.