KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS DEPARTMENT OF MATHEMATICS AND STATISTICS MATH 201 - QUIZ 5

Name: Student ID #:

Question 1. Evaluate the double integral $\int_0^1 \int_{3y}^3 \sin(x^2) dx dy$.

Question 2. Find the average value of f(x, y) = xy over the triangle whose vertices are (0, 0), (2, 0), and (1, 3).

Your Solution.