

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

Name:

Student ID #:

Question 1. Evaluate $\int \int_D (x^2 + y^2)^{-2} dA$ where $D = \{(x, y) | 1 \leq x \leq 2, 0 \leq y \leq \sqrt{2x - x^2}\}$.

Question 2. Using triple integrals, find the volume of the solid in the first octant bounded by $z = 4 - y^2$, $y = 2x$, $z = 0$, and $x = 0$.

Your Solution.