

King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math 201 - Quiz 6

Name:

Student ID #:

Question 1. Evaluate the double integral $\int_1^2 \int_0^y \sin\left(\frac{x}{y}\right) dx dy$.

QUESTIONS 2 IS ON THE BACK OF THE PAGE.

Question 2. Setup a double integral, but do not evaluate, to calculate the volume of the cylinder $y = \sqrt{9 - x^2}$ bounded by the planes $z = 0$, $z = 3 - x$, and $y = 0$.