

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

QUIZ No. 1
(MATH. 102-072 Section 2)

Name:

ID:

Prob. 1

Find the volume of the solid obtained by rotating the region between the curves $y = x$ and $y = x^2$ about the x -axis

Prob. 2

Compute

$$\int_1^4 e^{\sqrt{x}} dx$$