

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
DEPARTMENT OF MATHEMATICS AND STATISTICS
MATH 102 - QUIZ 2

Name:

Student ID #:

Question. Evaluate the following integrals:

(1)

$$\int \frac{1}{\sin(x) \cos(x)} dx,$$

(2)

$$\int \sqrt{x} \sin(\sqrt{x}) dx,$$

(3)

$$\int \cos^3(x) \sin^4(x) dx,$$

(4)

$$\int \frac{1}{\sqrt{x^2 + 4}}.$$

Your Solution.