

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)

$$\int (x^5 - 2x^3)\sqrt{x^2 + 1}dx,$$

(2)

$$\int_2^4 \frac{\cos(\pi/x)}{x^2} dx,$$

(3)

$$\int \frac{\tan(t)}{\cos(t)} dt,$$

(4)

$$\int \frac{x^2 - x}{x^2 + 1} dx$$

Your Solution.