

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
DEPARTMENT OF MATHEMATICS AND STATISTICS
MATH 102 - QUIZ 4

Name:

Student ID #:

Question 1. Evaluate the definite integral $\int_{-\pi/2}^{\pi/2} \sqrt{1 - \cos 2t} dt$.

Question 2. Evaluate the integral $\int \frac{x^8}{\sqrt{1-x^6}} dx$. (Hint: Do substitution $u = x^3$)

Your Solution.