

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
DEPARTMENT OF MATHEMATICS AND STATISTICS
MATH 102 - QUIZ 7

Name:

Student ID #:

Question 1. Find the interval of convergence of the power series

$$\sum_{n=1}^{\infty} (-1)^{n-1} \frac{x^n}{\sqrt{n}}.$$

Question 2. Find the coefficient of x^2 in the Maclaurin series expansion of $\int x \cos(x^3) dx$.

Your Solution.