

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

$$\sum_{n=1}^{\infty} \frac{n^2}{2^n} x^n$$

Question 2. Find the coefficient of the term $(x-1)^2$ in the Taylor series expansion of $\ln(1+x^2)$ at $a = 1$.

Your Solution.