

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
DEPARTMENT OF MATHEMATICS AND STATISTICS
MATH 102 - QUIZ 6

Name:

Student ID #:

Question 1. Determine whether the sequence $a_n = \left(\frac{3}{n}\right)^{1/n}$ converges or diverges. If it converges find its limit.

Question 2. Find the sum of the series $\sum_{n=1}^{\infty} (-1)^{n+1} \frac{2}{5^n}$

Question 3. Find the sum of the series $\sum_{n=1}^{\infty} \ln \left(\frac{3n+1}{3n-2}\right)$.

Your Solution.