KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
DEPARTMENT OF MATHEMATICS AND STATISTICS
MATH 102 - QUIZ 5

Name:
Student ID #:

Question 1. Determine whether the series is convergent or divergent. If it is convergent find its sum.

$$\sum_{n=2}^{\infty}\left(\frac{10^n}{4^{2n+1}}+\frac{1}{n^2-1}\right)$$

Question 2. Determine whether the series is convergent or divergent.

$$\sum_{n=2}^{\infty}\frac{n}{(\ln n)^n}.$$

(Hint: You can try using the Comparison and the Integral Test together)
Your Solution.