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.

$$\sum_{n=1}^{\infty}(\frac{1}{2^n}+\frac{1}{n(n+1)})$$

Question 2. Determine using the Integral Test whether the series is convergent or divergent.

$$\sum_{n=1}^{\infty}\frac{\arctan(n)}{n^2}.$$

Your Solution.