Quiz #8

Please print your name:

Problem 1. Determine whether the following series converge or diverge. If they converge, determine their value.

If a series diverges, make sure to indicate why!

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

(b) $$\sum_{n=1}^{\infty} 4^{-n} =$$

(c) $$\sum_{n=1}^{\infty} \frac{3}{\sqrt{n}} =$$

Problem 2. Use the integral test to determine whether $\sum_{n=1}^{\infty} \frac{n}{n^2+4}$ converges or diverges.