

# Homework 8-2

Name:

Date: July 27, 2015

**P 1.** Determine whether the series converges or diverges, explain.

$$\sum_{n=1}^{\infty} \frac{5n^2 + 2n - 1}{(3n + 2)(4n^2 + 1)n}$$

**P 2.** Determine whether the series converges or diverges, explain.

$$\sum_{n=1}^{\infty} \pi^{-n^2}$$