

Homework 8

Name:

Date: July 27, 2015

P 1. Determine the values of p for which the series converges or diverges, explain.

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

P 2. Determine if the series converges or diverges, explain.

$$\sum_{n=1}^{\infty} \sin \frac{1}{n^2}$$