

Homework 9

Name:

Date: July 28, 2015

P 1. Determine whether the series converges absolutely or conditional, or diverges.

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

Identify the test(s) used and show the conditions of the test hold.

P 2. Determine whether the series converges or diverges.

$$\sum_{n=0}^{\infty} \frac{n3^{n+1}}{(2n)!}$$

Identify the test(s) used and show the conditions of the test hold.