QUIZ 6 SPRING 2009 MAT 127 LECTURE 1

Name: **SB ID:**

Determine whether the following series is convergent or divergent. Answers without justification will get no partial credit.

(a)

$$\sum_{n=1}^{\infty} \frac{2n^2}{n^4 + 5}$$

(b)

$$\sum_{n=1}^{\infty} \frac{5 + 3^n}{2^n}$$

(c)

$$\sum_{n=2}^{\infty} \frac{1}{\sqrt{n^4 - 2}}$$