

QUIZ 7 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)

$$\sum_{n=1}^{\infty} \frac{1 + \sin(n)}{10^n}$$

(b)

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

(c)

$$\sum_{n=1}^{\infty} n^3 e^{-n^4}$$