

Reading Quiz #22

姓名：_____ 系級：_____ 學號：_____ 分數：_____

Read Section 12.3(pages 759-765) and work out the following problems.

1. Determine whether the series is convergent or divergent.

(a)
$$\sum_{n=1}^{\infty} ne^{-n}$$

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

2. Find the values of p for which the series is convergent.

$$\sum_{n=3}^{\infty} \frac{1}{n \ln n [\ln(\ln n)]^p}$$