

Math 142      Quiz 9  
No Work-No Credit

F10      Name  
Last 4 Digits

Determine whether the following series are convergent or divergent.

a)  $\sum_{n=1}^{\infty} \frac{\sqrt{n+3}}{n\sqrt{n+1}}$

b)  $\sum_{n=1}^{\infty} \frac{5n^2 + 2n + 3}{7n^3 + 31}$

c)  $\sum_{n=1}^{\infty} \frac{5^n + 12}{6^n - 1}$