Calculus Section 9.6 Root Test  
-Use the root test to determine convergence or divergence

Homework: page 633 #’s 35 – 49 odd

The final test to determine convergence or divergence is the root test. The root test is especially well suited to solve series involving nth powers.

**Root Test**  
Let ∑an be a series.  
1) ∑an converges absolutely if   
2) ∑an diverges if   
3) The Root Test is inconclusive if

**Example) Using the Root Test**  
1) 2)

3) 4)