



## Chapter 12

# Infinite Sequences and Series

12.1 Sequences

12.2 Series

12.3 The Integral Test and Estimates of Sums

12.4 The Comparison Tests

12.5 Alternating Series

12.6 Absolute Convergence and the Ratio and Root Tests

12.7 Strategy for Testing Series

12.8 Power Series

12.9 Representation of Functions as Power Series

12.10 Taylor and Maclaurin Series

12.11 The Binomial Series

12.12 Applications of Taylor Polynomials