Textbook: Calculus ̀ Early Transcendentals, 8th ed., by James Stewart

6.1: Area Between Two Curves
6.2: Volumes by Disks
6.3: Volumes by Shells
7.1: Integration by Parts
7.2: Trigonometric Integrals
7.3: Trigonometric Substitution
7.4: Partial Fraction Decomposition
7.5: Integration Strategy
7.6: Integration with Computers
7.7: Approximate Integration
7.8: Improper Integral
Test 1

8.1: Arc Length
8.2: Surface Area
9.1: Differential Equation Models
9.3: Separable Differential Equation
9.4: Models for Population Growth
9.5: Integrating Factor
10.1: Parametric Equations
10.2: Parametrics with Calc
10.4: Area in Polar
10.3: Polar Coordinates
11.1: Sequences
Test 2

11.2: Series
11.3: Integral Test
11.4: Comparison Tests
11.5: Alternating Series
11.6: Ratio/Root Tests
11.7: Choosing a test
11.8: Power Series
11.9: Functions as Series