Unit 4
1/9 Integration:
Section 4.1: 1-42:3N; 43,45,49,51,53,55,57.

1/11 Summation
Section 4.2: 11-29 odds.

1/16: Infinite Summation
Section 4.2: 39-44 and 47-50.

1/18: Reimann Sums and Definite Integration
Section 4.3 problems 3-12.

1/22 practice AP Calculus AB exam 1998
 multiple choice sections . In class and for homework.

1/24: Reimann Sums and definite integration

Section 4.3: 3-42 (3N) and 47.

1/26: FTC #1

Section 4.4:1-41 odds.

1/30: Review/<mark>perfection</mark> of early integration.
                Section 4.2: 52,54,56
                Section 4.3: 11,19,21,28,34,37,41,55
                Section 4.4: 8,19,24,28,38,40

2/1: Chapter 4 test through FTC #1

2/6: MVT, Avg Value Defn, and 2nd. FTC.
Section 4.4: 43,45,46,47,49,50,81-91 and read and <u>understand</u> proofs of thm.4.10 and thm. 4.11
and avg value.

2/8: Integration by Substitution.
Section 4.5: 1-41 odds. Also: review the concepts: integrable, differentiable and continuous.
Which condition is stronger?
Find examples of continuous but not differentiable, integrable but not continuous.

2/14: continue with section 4.5 focus on even/odd functions with integration. HW: 40-100 (4N)
and 107, 108.

 2/16:   Continue with 4.5 change of variables.
4.5: 42,54,63,65,67,75,77,79,81,83,85. And: 4.6: 11.

2/21: Trapezoid rule section 4.6: 1-10

2/23 Ch 4 review

2/27 Ch 4 test