

A.P. Calculus (All dates and assignments tentative at my discretion.)

Chapter 4 – Applications of Differentiation

- Date:** _____: Antiderivatives
Handout #1: 1,3,5,8,13,15,21,23,25,27,31,35,37,41,51,52 (16)
- Date:** _____: Antiderivatives and Area
Handout #1: 4, 9, 29
p. 261: 15, 17, 19, 31-34, 39, 41, 43 (12)
- Date:** _____: Definition of Definite Integrals
p. 261: 47, 49, 52, 73ab, 75
p. 272: 13-21 all (14)
- Date:** _____: Properties, Reimann Sums
p. 272: 9, 12, 23-31 odds, 33-44 odds
Handout #2: side 1: 9 side 2: 1, 3 (16)
- Date:** _____: Fundamental Theorem of Calculus
Handout 1: 11, 16, 24
Handout 2: side 1: 5
p. 272: 10, 42, 45abc
p. 284: 5, 7, 9, 11 (11)
- Date:** _____: Definite Integral, Absolute Value, Indefinite Integral
p. 284: 4, 6, 8, 10, 13-23 odds, 27, 29, 31
p. 249: 15-25 odds (19)
- Date:** _____: Average Value, Initial Value, Area, Derivatives of Integral
p. 249: 25-33 odds, 39, 55, 58, 61, 73
p. 284: 12, 20, 35, 36, 49, 51, 55, 56, 81, 83 (20)
- Date:** _____: Chapter 4 Quiz 1
Study the following problems for quiz 1.
Handout #1: 11, 13, 23, 31, 33, 37, 43, 51
Handout # 2: side 1: 4, side 2: 3
p. 272: 11, 27, 31, 41, 45abc
p. 284: 11, 15, 23, 27
p. 261: 17, 31, 41, 52
- Date:** _____: Substitution
p. 284: 41, 89, 91
p. 297: 7-25odds, 43-53odds, 8, 10, 18, 22, 91 (21)
- Date:** _____: Definite Integral with Substitution
p. 284: 6, 8, 24, 35
p. 297: 14, 26, 32, 44, 50, 52, 65, 66, 67, 69, 75 (15)
- Date:** _____: Integral
Handout: Set I: 1, 5, 9, 11, 16, 23, Set II: 1, 5, 9, 11, 14, 15, 19, Set III: 14, 17, 19, 23 (17)
- Date:** _____: Simpson and Trapezoid Rule
p. 305: 12T, 11T, 13S, 17S, 43
p. 307: 3, 4, 35, 57, 61, 62, 72
p. 249: 59, 89-92 (17)
- Date:** _____: Chapter 4 Quiz 2
Study the following problems for quiz 2.
p. 249: 59
p. 284: 9, 19, 23, 31, 35, 41, 49, 83, 91
p. 297: 17, 21, 22, 43, 49, 65, 69, 75
p. 305: 13, 43
- Date:** _____: Review Day
Date: _____: Test Chapter 4