

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

Chapter 6 – Applications of Integrals

Day 1: _____: Area between two Curves

p. 418 2, 5, 6, 8, 17, 18, 33, 36, 46

Day 2: _____: Volume: Disks and Washers

p. 428: 1, 3, 7, 9, 11a (Disks)

p. 428: 5, 6(change to $y = 4 - x^2/2$), 15, 17, 23, 25 (Washers)

p. 418: 21, 29

Day 3: _____: Volume: Shells and Known Cross Sections

p. 437: 1, 3, 5, 17, 19 (Shells)

p. 428: 59 ab, 61ac, 11b, 19, 27 (Known Cross Sections)

p. 428: 20, 21, 28

Day 4: _____: Volume: Quiz Review

p. 418: 20(9/2), 26(9/2)

p. 428: 12a(16 π), 14a ((243 π)/15), 24 ((128 π)/15), 26(8 π), 61b

p. 437: 21a, 21c

Day 5: _____: Quiz 1: Area and Volume

Homework:

Day 6: _____: Arc Length

p. 447: 3, 4, 5, 7, 15 bc, 17bc, 18bc

Day 7: _____: Work

p. 456: 1, 2, 9, 13, 31, 33, 34

Day 8: _____: Arc Length and Work

p. 456: 10(35), 21a, 23, 24(862400 π), 25, 38

p. 476: 34(14/3), 39, 40(225), 41, 43, 44b(140000)

p. 447: 6, 8, 9, 12, 16

Day 9: _____: Quiz Review

p. 447: 3, 7, 11

p. 456: 25

p. 476: 39

Handout:

Day 10: _____: Chapter 6 Quiz 2

p. 428: 11a, 12e, 13a, 59a

p. 476: 1, 11, 22d

Day 11: _____: Chapter Homework

p. 476: 39, 41, 44b

p. 447: 35, 4, 8

p. 456: 24, 25

Day 12: _____: Chapter 6 Exam