

Unit V: Transcendental Functions

1. Exponential Functions & Derivatives (3.1)
p200 #3,5,9,13,15,25,27,17,19,21,29,33,37,41-49 odds (3rd ed.)
2. Logarithmic Functions (3.8)
p214 #11-17, 29, 35-45, 63-67 odds (3rd ed.);
University Prep 6 given
3. Derivatives of Logarithms (3.8)
p249 #3,5,7,9,19,21,31,35,37,39,43,45
4. Exponential Growth & Decay
p226 #3,5,9,13,15,19 (3rd ed.)
5. Inverse Trigonometric Functions
p233 #1,7,9,11,15,21 (3rd ed.)
6. Derivatives of Inverse Trig Functions
p. 233 #27,31,37,41,45,47,61,63 (3rd ed.)
7. L'Hospital's Rule (4.4)
p313 #7,9,11,21,23,25,37,51,53
8. Review, **Quiz 5**
p249 #1-11 [odd], 17-37 [odd], 43,51,67,75,81,97,105 (3rd ed.)
9. Prep Test
p250 #59,76,96,98,100 (3rd ed.); **University Prep 6 Due**
10. **Test 5**

Final Exam Review

1. S1 odds
2. S1 evens
3. S2 odds
4. S2 evens, **Quiz 6**
5. S3 odds
6. S3 evens
7. Review
8. **Final Exam**

Unit VI: Integrals

1. Sigma Notation
pA38 #1-33 odds, 43, 45
2. Area (5.1)
p335 #1-7, 13-17 (3rd ed.)
NOTE: answer for #17 is $\frac{17}{12}$
3. The Definite Integral (5.2)
p390 #5, 17, 19, 35, 37, 39; p344 #5, 35 (3rd ed.)
4. The Fundamental Theorem of Calculus (5.3)
p402 #3, 19-39 odds
5. Integration Rules (5.3)
p402 #41, 47, 55; p411 #5, 9, 13, 17, 21, 25, 29, 33, 37
6. Applications of Fundamental Theorem of Calculus p411 #7, 11, 15, 19, 23, 27, 31, 35, 39, 45, 47, 53, 55
7. More Integrals, **Quiz 7**
p402 #24, 28, 30, 34, 36, 38, 40; p411 #8, 12, 14, 16, 22, 26, 28, 32, 38
8. The Substitution Rule (5.5)
p420 #3, 5, 9, 15, 21, 29, 33, 41, 43, 51, 53, 57, 59, 63, 65, 79
9. Areas of Bounded Regions (6.1)
p442 #1, 7, 13, 15, 21, 23; p385 #25, 27, 33 (3rd ed.)
10. Areas of Bounded Regions (6.1)
p442 #3, 5, 9, 11, 17, 19, 25, 27; p385 #35, 55, 57 (3rd ed.)
11. Review
p431 #1, 3, 5, 9-37 odd, 56
12. Review
13. **Test 6**