## Unit 5 Homework Assignments

5-2: 1-13 (odd), 31-41 (odd), 45, 49-51 (odd), 55, 63-71 (odd)<br>5-4: 53, 91-115 (odd)<br>5-5: 71-83 (odd)<br>5-7: 3, 5, 7, 11, 23, 29<br>Review: 15-21 (odd), 47-55 (odd), 77-81 (odd)

Unit 5 - Logarithmic, Exponential, and other Transcendental Functions: Study Guide

Unit 1 - Limits: 1-2 through 1-5, and 3-5
Unit 2 - Differentiation: 2-1 through 2-6
Unit 3 - Applications of Differentiation: 3-1 through 3-4, 3-6, 3-7, 3-10
Unit 4 - Integration: 4-1 through 4-6
Unit 5-Logarithmic, Exponential, and other Transcendental Functions 5-1, 5-3 through 5-6

5-2

- I know and can apply the rule for integrating $1 / x \mathrm{dx}$.

5-4

- I know and can apply the integral of $e^{\wedge} x$.

5-5

- I can find the integral of an exponential function of base other than $e$.

5-7

- I know the integrals for trig. functions and inverse trig. functions.
- I can integrate trig. functions and inverse trig. functions.

