

140 - Calculus I: Test 5 Study Guide

Henson - Fall 09

TEST 5 TOPICS:

1. Properties of the natural log function: domain, range, etc.
2. Expanding and condensing logarithmic expressions.
3. Differentiating logarithmic functions.
4. Finding the equation of tangent lines of exponential and logarithmic functions.
5. Implicit differentiation (review section 2.5) using exponential and log functions.
6. Differentiating and integrating e^x .
7. Differentiating and integrating exponential functions with bases other than e .
8. Log Rule.