Math 142 - Midterm 1 Suggested Study Problems

Here are problems that are similar to the ones you might see on the exam.

Logarithm Rules Cht. 5 review exercises # 3, 5, 7, 11
> *Make sure that you know the laws of logarithms.*

Derivatives Cht. 5 review # 9, 43, 45, 59, 73
> *Pay attention to the chain rule, product rule and quotient rule in these problems.*

Logarithmic Differentiation Cht. 5 review # 61

Integrals Cht. 5 review # 15, 17, 47, 79
> *When should you use u-substitution?*

Inverse Functions Cht. 5 review # 27, 69
> *When is a function invertible?*

Differential Equations Cht. 6 review # 1, 17, 21,
> *How is a solution to a differential equation different from a solution to a regular equation?*

Exponential Growth & Decay Cht. 6 review # 23, 29

Area Between Curves Cht. 7 review # 3, 7
> *If both curves are rates of change, then what does the area between represent?*