Math1220 Midterm 1 Review Problems
Kelly MacArthur

Chapter 6 Review (pg 380-381)
   Concepts Test Problems
       #1, 2, 3, 6-14 all, 16, 17-19 all, 21, 23, 26, 27, 32, 34, 40, 47
   Sample Test Problems
       #1-5 odd, 11-29 odd, 28, 30, 32, 33, 38, 37-47 odd

The exam covers sections 6.1-6.9.   You will need your scientific calculator for this midterm. (No cell phone calculators, graphing or programmable calculators allowed.)

You can bring a 5x8 inch note card of notes (on both sides, if you want) to use as a reference.   Make sure it's truly a 5x8 card and not something that closely resembles a 5x8 card. If you need one, I can provide one for you.

Topics:

- Inverse Functions
- Differentiation & Integration
  o Log functions
  o Exponential functions
  o Inverse Trig functions
  o Hyperbolic functions
- Exponential Growth/Decay
- Differential Equations (Integrating Factor Technique)
- Euler's Method
- Slope fields