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

Chapter 7 Review (pg 419-421)
   Concepts Test Problems
      #1-6 all, 8
   Sample Test Problems
      #1 – 6 all, 10, 12, 18, 19, 20, 21, 25, 27

The exam covers sections 6.1-6.9 and 7.1-7.3.   You will not need a calculator for this midterm.

You can bring one 8.5x11 inch piece of paper of notes (on both sides, if you want) to use as a reference.

Topics:

- Inverse Functions
- Differentiation & Integration
    - Log functions
    - Exponential functions
    - Inverse Trig functions
    - Hyperbolic functions
- Exponential Growth/Decay
- Differential Equations (Integrating Factor Technique)
- Slope fields
- Integration techniques
    - u-substitution
    - integration by parts
    - trigonometric integrals