# 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, 26, 27, 32, 34, 40, 47
>    Sample Test Problems
>        #1-29 odd, 28, 30, 32, 33, 37, 38, 41

Chapter 7 Review (pg 419-421)
>    Concepts Test Problems
>        #1, 2, 3, 8, 10, 15
>    Sample Test Problems
>        #1, 3, 4, 5, 7, 8, 9, 12, 18, 19, 20, 21, 22

The exam covers sections 6.1-6.5, 6.8, 6.9, 7.1, 7.2.

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 of these functions:
    o  Log functions
    o  Exponential functions
    o  Inverse Trig functions
    o  Hyperbolic functions & their inverses
- Exponential Growth/Decay
- New limit rule (for e)
- Basic Integration Strategies
- Integration by Parts