

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, 4, 5, 6

Sample Test Problems

#1, 2, 3, 5, 7, 8, 9, 13, 18, 20, 21

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

Topics:

- Inverse Functions
- Differentiation & Integration of these functions:
 - Log functions
 - Exponential functions
 - Inverse Trig functions
 - Hyperbolic functions & their inverses
- Exponential Growth/Decay
- New limit rule (for e)
- Basic Integration Strategies (u-substitution)