Math1220 Midterm 2 Review Problems
Kelly MacArthur

Chapter 7 Review (pg 419-241)
Concepts Test Problems #1 – 21 all
Sample Test Problems #1-47 odd and 4, 8, 12, 18, 20, 22

Chapter 8 Review (pg 446-447)
Concepts Test Problems #1-19 all
Sample Test Problems #1-29 odd, 28, 31, 33, 37

The exam covers sections 7.2-7.6 and 8.1-8.4.

You can bring one 8.5x11 inch page of notes (on both sides, if you want) to use as a reference.   No calculator is needed nor allowed.

Topics:

- Integration
  - u-substitution
  - integration by parts
  - trigonometric substitutions
  - partial fraction decomposition
  - Trigonometric integrals needing Pythagorean identities or half-angle identities
  - looking up formula from table

- Indeterminate Limits (L'Hopital's Rule)/Determinate Limits
- Improper Integrals