

Math 1220 Midterm 2 Review Problems
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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 #1-25 odd, 30, 32, 33

The exam covers sections 7.2-7.6 and 8.1-8.3.

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