

Math1220 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, 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 7.1-7.6 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

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