

Math2210 Midterm 3 Review Problems
Summer, 2009
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Chapter 12 Review (pg 673)
Sample Test Problems #26-29 all

Chapter 13 Review (pg 728-729)
Concepts Test Problems #1-5 all, 11, 13, 14, 16, 17
Sample Test Problems #1-12 all, 15, 16, 20

The exam covers sections 12.8, 12.9, 13.1-13.4 and 13.6-13.8. You will NOT need a calculator for this exam.

You can bring one 8.5 x 11 inch piece of paper of notes (on both sides, if you want) to use as a reference.

Topics

- Max/Min problems
- Lagrange Multipliers Method
- Double Integrals
 - Cartesian coordinates
 - Polar coordinates
 - Area
- Triple Integrals
 - Cartesian coordinates
 - Cylindrical coordinates
 - Spherical coordinates
- Volume
- Surface Area