

Math2210 Midterm 3 Review Problems  
Summer, 2012  
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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

Chapter 14 Review (pg 774)

Sample Test Problems #1, 2, 3

The exam covers sections 13.1-13.4, 13.6-13.8, and 14.1. You will NOT need a calculator for this exam.

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

**Topics**

- Double Integrals
  - Cartesian coordinates
  - Polar coordinates
  - Area
  - Switching Order of Integration
- Triple Integrals
  - Cartesian coordinates
  - Cylindrical coordinates
  - Spherical coordinates
- Volume
- Surface Area
- Vector Fields