

Math2210 Midterm 2 Review Problems
Summer, 2012
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Chapter 12 Review (pg 672-673)

Concepts Test Problems #1, 2, 4, 5, 7, 8, 14

Sample Test Problems #1-21 all, 23, 25, 26, 27

The exam covers sections 12.1-12.9. You will NOT need a calculator for this exam.

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

Topics

- Functions of 2 (or more) variables
 - Level curves
 - Evaluating
 - Domain
 - Continuity
 - Limits
 - Partial Derivatives
 - Gradient
 - Directional Derivatives
 - Tangent Planes
 - Chain Rule
 - Differentials
 - Max/Min/Saddle points
 - Lagrange Multipliers and Constrained Optimization