

Math2210 Midterm 2 Review Problems

Kelly MacArthur

Chapter 12 Review (pg 672-673)

Concepts Test Problems #1, 2, 4, 5, 7, 8, 14, 15

Sample Test Problems #1-21 all, 23, 26-29 all

Chapter 13 Review (pg 728-729)

Concepts Test Problems #1-5 all

Sample Test Problems #1, 2, 5, 6

The exam covers sections 12.1-12.9, 13.1 and 13.2. You will NOT need a calculator for this exam.

You can bring one 8.5x11 inch sheet 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
 - Maxima and minima
 - Lagrange multipliers
- Double Integrals (in rectangular coordinates)