

Math1210 Midterm 2 Review Problems

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Chapter 2 Review

Concepts Test Problems (pg 148) #16, 18, 19, 20, 23, 26, 27, 28, 29, 32, 33, 36
Sample Test Problems (pg 148-149) #13-33 odd, 35-41 all, 43, 44, 46

Chapter 3 Review

Sample Test Problems (pg 210-211) #1-37 odd

I would also recommend you look over your quizzes that cover this material and redo those problems, as well as look over the notes from class.

The test covers sections 2.5-2.9, and 3.1-3.5. No calculators are allowed for this exam.

You can also bring a 8.5x11 inch sheet of paper of notes (on both sides, if you want) to use as a reference.

Topics Covered:

--Derivatives

- Chain Rule
- Implicit Differentiation
- Higher Order Derivatives
- Related Rates

--Differentials/Approximations

--Analyzing graphs

- Domain/asymptotes
- Critical Points (end, stationary and singular points)
- Inflection Points
- First derivative and second derivative sign lines
- sketch graph