

Prep for Test # 2

Covers Chapters, Sections:

- 3.5 Deriv: Trig Functions
- 3.6 Chain Rule
- 3.8 Implicit Differentiation
- 3.9 Exponential, Logarithmic Funct
- 4.1 Related Rates
- 4.2 Differential
- 4.3 Max/Min Values
- 4.4 Mean Value Theorem

Test Format

Part I: Choice of 4 of 5 problems
(40pts @ 10 pts)

Part II: Choice of 4 of 5 problems
(60pts @15 pts)

Problems 1 to 9 require all interim steps be shown, including formulas and explanations based on definitions. Partial credit will be assigned for the work completed.

Problem 10 will include 5 short answer parts. This is the only problem for which work is not required for full credit. However, partial credit is possible if work is shown.

1. Review Homework

Look especially at the more complex problems from each section.

2. Review Class Notes

- Check first page: Do you know each topic?
- Redo the sections needed.

3. Review Quizzes

Contain simpler problems, so treat them as a minimum of the information you should know.

4. Take Practice Quizzes

Contain problems with concepts to know. Review the topics in the problems you miss.

5. Do problems in the Chapter Reviews

- Offer fresh problems about same topics.
- Ch 3: 367-370,374-378,380-382,385-386
Ch 4: 525-534.

6. Study in Groups with Other Students

Talking about math helps you to think more clearly about it and to remember it.

1. Review Homework

3.5 Deriv: Trig Functions

3.6 Chain Rule

3.8 Implicit Differentiation

3.9 Deriv Exponential & Logarithmic

4.1 Related Rates

4.2 Differential

4.3 Max/Min Values

4.4 Mean Value Theorem (MVT)