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Content: The exam will cover §1.1 through §2.9, with the emphasis on chapter 2.

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- Understand how rates of change pertain to a large variety of situations.
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- Be able to use the limit rules carefully to algebraically compute limits.
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- Be able to relate derivatives, especially their units and signs, to a variety of contexts.
- Understand continuity and the connections between continuity and differentiability.

Grading: Each problem is worth 10 points.

- 10 points indicates complete, accurate, and adequately justified completion of a problem.
- Isolated mistakes within an otherwise valid solution generally cost about a third of the points possible (3 or 4 points out of 10).
- Even if you can’t complete a problem, make an effort to indicate to me how much you know so I can gauge credit accordingly.
- Pay attention to what’s asked for: You don’t need to waste time working out answers if you’re only asked to set them up. Providing a decimal approximation when an exact value is requested, or vice versa, costs you points. Pay attention to the difference.

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