

MATH 141, Spring 2015
EXAM 2 TOPICS

Exam 2 will take place on Wednesday, April 1.

The exam will be one class period long. Graphing calculators (TI- \leq 86) are allowed and are somewhat useful. (TI-89, TI-92, and TI-nSpire are not allowed.) Be aware that I will come around and delete their memory before the exam. You do not need to bring your QC ID to this exam.

The exam covers Sections 2.1–2.7 of Stewart's *Essential Calculus*.

In addition to computational questions, there will be questions that ask you to understand concepts from the course, possibly including, and not limited to:

- The difference between a secant line and a tangent line, and average and instantaneous velocities or rates of change. (Section 2.1)
- The limit definition of the derivative (p. 84, 2nd Ed)
- The definition of differentiable (p. 87)

You should understand how to use your graphing calculator to:

- Use **Solver** in the **MATH** menu to find values for y defined implicitly as a function of x .

To study for the exam:

- I **especially recommend** the Chapter Review given for Chapter 2 (pp. 140–143 (2nd Ed))
Take these questions seriously.
- Verify that you understand all definitions from Chapter 2 similarly to how we discussed in the first two classes of the semester.
- Review WebAssign homeworks.
- There will be a Question and Answer session during class on Monday, March 30. Prepare questions to ask during this Question and Answer session and suggest them on Blackboard.