

EXAM 2 DETAILS

The second exam in MATH 202 is this Friday, March 23. As with the first midterm, the exam will start promptly at 1:00 pm and be collected promptly at 2:05 pm. (A five minute grace period.) You are not allowed any aids for the exams: no note cards, no calculators, no electronic devices, etc. I will bring scrap paper so it will be available if you want that, but you will be asked to show your work. Again, be forewarned, you are expected to use proper mathematical notation in your solutions. Sloppy writing and incorrect notation will be penalized.

The exam covers sections 12.3 - 13.10 in your textbook, with an emphasis on the recent material in chapter 13. You are absolutely guaranteed some questions about tangents and tangent vectors, normal vectors, arc length, limits, chain rule, gradient vectors, directional derivatives, tangent planes, differentials, finding minima, maxima, saddle points using the second partials test and/or Lagrange multipliers. Questions will test a combination of skill and understanding/interpretation.

On the website is a link to former exams (with solutions) in Calculus III. I am suggesting some problems for you to do, to better focus your studying, but there is no guarantee that the exam problems will in any way resemble these and that other questions might be asked. It is a simple truth: The best way to study for a mathematics exam is to do problems.

Suggestions (see umich website):

- “First exam: Practice problems from 2003”: 8-19
- “Second Exam: Practice problems from 2003”: 1-8
- “Exam 1 from Fall 2011 (PDF) and its solution (PDF)”: 2-6
- “Exam 2 from Fall 2011 (PDF) and its solution (PDF)”: 1

Study hard and see you on Friday.