

REMARKS ON THE PREPARATION FOR MIDTERM II FOR MATH 250:C2

The second midterm covers material from 2.5 to 5.3, and the two types of applications covered in class from 5.5. The same general comments as for midterm 1 apply: The best way to prepare yourselves for the midterm is to first review the examples in the lectures and in the texts (there are also worked out practice problems in each section), and review your homework problems, AND asking yourselves questions in this process so that you can streamline and organize what you have learned in the last couple weeks. For the true or false questions, you need to find the supporting reasons for those which are true and provide counter-examples for those which are not true.

Finally to test your understanding, you can pick some problems from the exercises at the end of the sections and/or the Review Exercises at the end of the chapters to work out *without* the help of notes or texts.

I can suggest a few problems for you:

2.5: 9, 10.

2.6: 11, 12.

Chapter 3, Review Exercises (pp.222–223): 1-11, 14, 15, 17, 18, 23–25, 33-40.

Chapter 4, Review Exercises (pp. 286–287): 1-21, 29, 31, 36.

Chapter 5, Review Exercises (p. 355): 1-4, 8-11, 18, 19, 21, 25, 31, 35.