

Math 50: Practise for Midterm 1

January 23, 2006

In the 65 minute exam you will get about 6 questions (no matlab!). Make sure you can do the worksheets from class, lecture examples, and the HW1-3. This is what I'll base the exam on; don't try to read every single section of the book (there's stuff we didn't cover). Below are some other questions are from LM4. Don't worry if you can't do every one; I may have made mistakes picking ones of appropriate difficulty.

Try to focus on key concepts—this is what I'll be testing. When you practise the below questions, try to ignore the section they're from. This is a key leap to make for the exam: which concept is underlying each question, without being told?

2.3: 15, 18.

2.4: 6, 12, 29, 45.

2.5: 3, 5.

2.6: 49, 55.

2.7: 1, 7, 9.

3.2: 9, 19.

3.3: 3.

3.4: 7, 13.

3.5: 9, 33 (get t first).

3.6: 7.

3.7: 7, 9, 19c.

3.8: 3, 8a.

3.9: 1, 8, 19 (resistances add here).

3.10: 7.

3.11: 1, 13, 17.

4.2: 7, 19.