Review for Exam 2

Math 412, Winter 2003

1. The first exam will occur during class on Friday, 3/21, in our usual classroom.

2. The exam will cover sections 4.1-6.3.

3. All homework questions are fair game.

4. You may bring two 3 × 5 note-card to class—your card from the last exam, and a new card.

5. You will not require a calculator for the exam.

6. You will be asked to prove things on the exam.

7. I will hold an office hour on Thursday from 2-3. This will not be a formal review, so you should come with questions.

8. How to study:

   (a) Know what the theorems say, how and why they get used, and in what sorts of proofs they are helpful.

   (b) Chapter 4 contains quite a number of things which you might be asked to do (for instance, find the roots of a polynomial, etc). You should know how to do these things. I may ask you to calculate or compute things.

   (c) We have had quite a number of examples in class since the last test. You might be asked to give examples of certain behaviors we have studied.

   (d) Try to see the big picture—memorizing the statement of a theorem is not nearly so helpful as knowing what it says and what it means and how it gets used.

   (e) We have at this point collected quite a number of definitions. I will not ask you to “give the definition of a . . . ”; however, you should know what all the objects we have studied are (for instance, there may be a question about integral domains on the test—you should know cold what these are, etc.).