Math 436, Fall 2000

PORTFOLIO

Your portfolio should have

- a table of contents,
- an introduction,
- 6-10 problems from the homework assignments and the midterm,
- concluding remarks.

The table of contents should list each of the problems. The introductory remarks should explain how you approached choosing which problems to include.

For each of the problems, you should include

- the original graded problem,
- a completely correct **very well written** solution of the problem,
- a detailed explanation of why you chose the problem.

By **very well written** I mean that you should imagine that you have been asked to write a solution which will be incorporated as an example in the next edition of the book. Think about what you like to see when you read an example in a math book and be sure to write your solution to meet your criteria. Your explanation for why you chose the problem might include such things as

- what you learned from doing it,
- how it fit into the course,
- why it seemed like a major accomplishment when you finally did it correctly,
- how it made parts of the course fit together,
- why it suddenly seemed clear when you looked back at it six weeks after it was due on an assignment,
- how it fits in with other courses you have had.

Think carefully about what problems to include. Your problems should be chosen to demonstrate your understanding of the course and your major accomplishments. You should include at least two problems which are not purely computational and at least two problems on which you lost more than one point. (These problems can overlap.)

Your concluding remarks should include a summary of what is in the portfolio and what you have learned from putting it together.

The portfolio is due in final form on Monday, December 4. A preliminary version is due on Monday, November 13. The preliminary version should include at least four problems.