Exam IV Review Sheet
MDEV 003a, Fall 2003

This exam will cover sections 6.4-6.6 and 7.1-7.7 from your text. You should know general terms and definitions from each of these sections, review the homework and quizzes given for these sections, and pay particular attention to the subjects and practice problems mentioned below.

1. Adding and subtracting rational expressions by finding common denominators.
2. Simplifying complex fractions using the LCM.
3. Solving equations involving fractions and rational expressions.
4. Solving for a particular variable in a formula involving rational expressions.
5. Conversion between roots and rational exponents.
6. Simple simplification and multiplication of expressions with roots or rational exponents.
7. Multiplying expressions involving rational exponents.
8. Simplifying radicals and rationalizing denominators.
9. Adding and subtracting expressions involving radicals.
10. Multiplying and dividing expressions involving radicals.
11. Solving equations with radicals.
12. Adding and subtracting complex numbers.

For a list of sample problems, please see the following pages in your text: