Math 100 Review Sheet for Exam #2
Date: Wednesday, November 2
Time: 6:00 - 6:50 pm (you should arrive by 5:50 p.m.)
Location: Main Auditorium
Exam Coverage: Chapters 2.5, 2.6, 7.1, 7.2, 7.3, 4.1, 4.2

Things you should be able to do:

Chapter 2.5
- Solve a formula for one variable, given the values of the other variables.
- Use a geometry formula to solve an applied problem.
- Solve a formula for a specified variable.

Chapter 2.6
- Graph intervals on a number line.
- Solve inequalities using the addition and multiplication properties of inequality.
- Use inequalities to solve applied problems.

Chapter 7.1
- Find square, cube, and fourth roots.
- Know when a given root is not a real number.

Chapter 7.2
- Simplify radicals using the product and quotient rules.
- Simplify radicals involving variables.

Chapter 7.3
- Use the squaring property of equality to solve equations having square root radicals. ALWAYS check your proposed solutions in the original equation because some equations may have no solutions.
- Solve word problems that involve radicals.

Chapter 4.1
- Find the degree of a term and the degree of a polynomial.
- Know the definitions of monomial, binomial, and trinomial.
- Evaluate a polynomial at given values of the variable(s).
- Add and subtract polynomials.

Chapter 4.2
- Identify the base and exponent of an exponential expression.
- Use the rules for exponents to simplify expressions.
In addition to problems listed on the syllabus, try the following problems from the textbook:

Chapter 2.5 (pages 139-144): 34, 80

Chapter 2.6 (pages 153-156): 59

Chapter 2 Test (pages 157-158): 20-25

Chapter 7.2 (pages 345-348): 68, 105, 107

Chapter 7.3 (pages 355-358): 21, 47, 49

Chapter 7 Test (pages 359-360): 1, 3-8, 22, 26

Chapter 4.1 (pages 181-184): 70, 78

Chapter 4.2 (pages 191-192): 32, 68, 80, 87

Summary Exercises on the Rules for Exponents (page 215): 1, 3, 4, 5

Chapter 4 Test (pages 221-222): 1-5