Homework for Week 9
Feb. 25-29, 2008

The textbook exercises listed here should be completed before class begins; students will share solutions to these exercises at the beginning of class. You should be prepared to share a solution to any one of these.

Before Class on **Wednesday, February 27**, read Sections 9.1 and Section 9.2 (upto page 678) and work the following exercises:
Section 9.1, # 7, 9, 13, 15, 27, 63
Section 9.2, # 3, 11, 15

Before Class on **Thursday, February 21**, finish reading Section 9.2 and work the following exercises:
Section 9.2, # 29, 31, 35, 43

Before Class on **Friday, February 29**, read Section 9.3 and work the following exercises:
Section 9.3, # 7, 11, 21, 61, 63

Before Class on **Monday, March 3**, read Section 9.4 and work the following exercises:
Section 9.4, # 9, 11, 13, 15, 23, 31

**Additional Practice Problems**

Practice as many of these problems as you can.
Section 9.1, # 5, 11, 17, 19, 29
Section 9.2, # 5, 7, 9, 13, 31, 33
Section 9.3, # 5, 9, 13, 15, 23, 59, 65, 67
Section 9.4, # 17, 19, 21, 25, 29, 33
Written Homework

Your typed solutions to the following questions will be due at the beginning of class on Monday, March 3. Remember to save your document electronically so that you can make corrections to these solutions since they will become part of your portfolio.

Problem #15: Simplify each of the following expressions. Show the steps in your work.
(a) $5\sqrt{8} - \sqrt{18}$
(b) $2\sqrt{28x} + \sqrt{63x}$

Problem #16: Find all real solutions of the following equations. Give simplified, exact answers (not decimal approximations).
(a) $\sqrt{2x + 1} = 4$
(b) $\sqrt{3x + 2} + 7 = 6$
(c) $\sqrt{2x} + \sqrt{x + 1} = 2$