Homework for Week 7
Nov. 5-9, 2007

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 Monday, November 5, read Section 6.1 and work the following exercises:
Section 6.1, # 7, 13, 15

Before Class on Tuesday, November 6, work the following exercises:
Section 6.1 # 21, 23, 27

Before Class on Thursday, November 8, read Section 6.2 (pages 392-398) and work the following exercises:
Section 6.2, # 1, 5, 7, 11

Before Class on Friday, November 9, read Section 6.2 (pages 398-402) and work the following exercises:
Section 6.2, # 13, 17, 19, 21

Additional Practice Problems

Practice as many of these problems as you can.

Section 6.1, # 1, 3, 5, 9, 11, 17, 19, 25, 29

Section 6.2, # 3, 9, 15, 23, 25, 27
Written Homework

Your carefully written solutions to the following questions will be due at the beginning of
class on Friday, November 9.

1 Solve each of the following equations algebraically:
   (a) 3(2^x) = 768
   (b) 4(3^x) = 10(2^x)
   (c) 2(7^x) = 3(2^{x+1})

2 An investor wants to double his investment of $10,000 in five years. Determine what
   annual interest rate he needs if:
      (a) the interest is simple;
      (b) the interest is compounded yearly;
      (c) the interest is compounded monthly;
      (d) the interest is compounded continuously.

3 What is the annual percentage yield of a saving account paying 4 percent compounded
   quarterly?