

Math 170 (Spring 2008)

Homework #10 (Due Wednesday, April 2)

Section 5.1:

7, 8, 11, 15, 17, 18, 21, 23, 24, 29, 31,
33, 35, 37, ← These three are about simple interest.
41, 43, 45,
51, 52

Section 5.2:

1, 3, 5, 7, 9, 11, 13,
15, 17,
21, 23,
25, 27, 29,
31, 33 ← These two are “annuities due”, not “ordinary annuities”!
35, 37 ← These two are “annuities due”, not “ordinary annuities”!
39, 40,
43, 45,
55, 59

→ Turn over to see what to expect on Test #4.

About Test #4:

Test #4 will take place on **Thursday, March 27**.

1. It is going to be **open book, open notes!!**
 - The Student Solutions Manual will **not** be permitted.
 - Your notes are subject to inspection during the test.
 - **Warning:** Exchanging notes with another student will be considered cheating.
2. Please make sure to bring your own **calculator**.

What to expect on the test:

1. Two or three short conceptual problems, similar to those in Sec. 4.1 on Assignment #8.
2. A problem on computation for a maximization problem that is in “Standard Maximum Form”. You are required to use the simplex method. You get absolutely no credit if you use graphical method, even if the answer is correct. This is related to Sec 4.2.
3. A problem on computation for a minimization problem that is in “Standard Minimum Form”. You are required to use Duality, set up its dual problem correctly, use the simplex method to solve the dual problem, and successfully read off the answer for the original problem. You get absolutely no credit if you use any other method. This is related to Sec 4.3.
4. Two to three application problems in which you are asked to translate the problem into a linear programming problem in a prescribed format. Only the formulation is required. You will not have to compute anything.