

**Homework 2      Math 105A      Spring 2009**

Due Wednesday, April 15

- I. Do exercises 6 and 9 from Chapter 1 of the text. You can use Theorem 1.21 and its corollary in exercise 6.
- II. Do exercises 4, 6, 9, 10, and 11 from Chapter 2 of the text.
- III. Give an example of a countable set and an uncountable set not discussed in the text or lecture.