

Math 101!
November 6, 2001

Announcements:

Keep in mind that the midterm is supposed to take place in class during November. Many of the problems will be similar or the same as those found in Wolf or in the Notes, especially in Chapter N6 of the Notes. So please go over your homework and ask about any questions you might have. Also, you are welcome to suggest problems for the midterm. Just get them to me two or three days in advance. If one of yours appears on the test, at least you will know some of the questions and how to do them in advance.

Reading:

Chapter Four and Five (N4 and N5) of the Notes are worth reviewing. Study Chapter Six N6 of the Notes (Compare with §W9.1 in Wolf). Start reading W§7.1 and §7.2 in Wolf about functions.

Problem Set:

- A. In the Notes, §N6.1: #1, #2, #3, and #5.
- B. In the Notes, §N6.2: #1, #3, #4, #6 (glancing at #5 first might help), and #7.
- C. In the Notes, §N6.3: #4 or #5 (look at both, but you only have to hand in one).

Activities:

On another page (either the back of this one or on the next file posted) there is a group project concerning the Contraction Mapping Theorem that asks you to work through the proof and related ideas concerning this result. Again, this can count as one of the four group projects that the syllabus mentions. You will have some choice about which of the ones assigned you eventually hand in. This is a project it would be better to do earlier rather than later, though.