

## Math 101!

December 11, 2001

### Announcements:

Congratulations again on your Midterm Exams. I am impressed that what you are able to understand and write now has come a long way since the beginning of the semester. Some of you still have quite a way to go, of course, but everyone is making progress.

Sections will meet as usual on Wednesday this week.

As mentioned before, the registrar has tentatively set our final exam for Thursday, January 17, at 9:15. Let's count on meeting at least once during reading period on Thursday, January 3, for an important retrospective on the course and preview of the final. Usual time and place. If there is demand for further review, we can also meet on Thursday, January 10.

The 101 website and discussion area will remain active until after the exam in case you have questions or ideas to post. Best wishes for Happy Holidays and an enjoyable break!

### Reading:

Study Chapters N11 and N12 in the Notes.

### Activities:

Please look over and try the following culminating problems. If you decide to work on them with friends and hand in your results, they can count as a (single or double) group project. Otherwise, consider them review problems for the final.

§11.2: #5, #8, #9 (Here  $D^2$  is another name for  $B^2$ , the closed unit disk in the plane. Can you make a Möbius strip using the quotient construction? Other shapes or surfaces? See, for example, Stephen Barr's fun book "Experiments in Topology.")

§11.3: #4, #5, #6

§12.2: #1

§12.3: #5, #6

§12.4: #1