

Eighth Homework Assignment for Math 232 (D200)

Due: Wednesday, November 14th.

All section references are to the Lay text.

Reminder:

The second midterm is **Monday, November 5th** (in class). It covers up to and including Section 3.2.

Problems to hand in:

- Section 3.1 problems 12, 22
- Section 3.2 problems 6, 26, 36
- Section 3.3 problem 24
- Section 5.1 problems 6, 14, 32
- Section 5.2 problem 6

Some other problems you might try:

More true-false: Section 3.2 problems 27 and 28, Section 5.1 problems 21 and 22 and Section 5.2 problems 21 and 22.

The supplementary exercises at the end of Chapters 2 and 3 can be useful in reviewing. Only in a few cases do they cover material that we skipped, and these cases are fairly easy to identify.

Reading for the next two weeks:

- For Friday, review Chapters 2 and 3.
- For Wednesday, November 7th, Section 5.1.
- For Friday, November 9th, Section 5.2.
- For Wednesday, November 14th, Section 5.3.

(Optional) Chapter 4 introduces vector spaces, which are an abstraction of subspaces. This material should help you understand supspaces, and will be very helpful to anyone who plans to take a proof-oriented course in the future.