

Eighth Homework Assignment for Math 232 (D200)

Due: Thursday, November 13th.

All section references are to the Lay text.

Reminder:

The second midterm is **Wednesday, November 5th** (in class). It covers up to and including Section 3.3.

Problems to hand in:

- Section 3.1 problems 10, 22
- Section 3.2 problems 8, 24, 36
- Section 3.3 problem 22
- Section 5.1 problems 8, 16, 32
- Section 5.2 problem 8

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 Monday, November 3rd, through Section 5.1.

For Thursday, November 6th, Section 5.2.

For Monday, November 10th, Section 5.3.

For Wednesday, November 12th, Section 5.4.

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