

# Fifth Homework Assignment for Math 232 (D200)

**Due: Wednesday, October 18th.**

All section references are to the Lay text.

Problems to hand in:

Section 2.2 problems 16, 18, 32, 34

Section 2.3 problems 14, 26, 38

Section 3.1 problem 14

Section 3.2 problems 8, 20.

Some other problems you might try:

The true-false questions in this book are still a good way to review the material. I recommend Section 2.3 problems 11, 12, Section 3.1 problems 39, 40 and Section 3.2 problems 27, 28.

Make sure you can compute determinants. To practice, you can try any of Section 3.1, problems 1 through 36.

Reading for this week:

For Friday, Section 3.3.

For Monday, Section 4.1.

For Wednesday, Section 4.2.

(Optional) Section 2.8 discusses the ideas in Sections 4.1 and 4.2 in the concrete setting of  $\mathbb{R}^n$  instead of working with general transformations. You may find reading this section helpful if you are having trouble with 4.1 or 4.2.