

Tenth Homework Assignment for Math 232 (D200)

Due: Thursday, November 27th.

All section references are to the Lay text.

Reminder:

The final exam is **Wednesday, December 3rd** from 12:00 to 15:00. It will be held in Room 3310 at the Surrey campus and covers everything we have studied.

Problems to hand in:

- Section 6.1 problem 28.
- Section 6.2 problems 6, 10, 14, 32.
- Section 6.3 problems 4, 14, 18.
- Section 6.4, problem 4, 10.

Some other problems you might try:

True-false questions can help you think about the reading. Try Section 6.1, 19-20, Section 6.2, 23-24, Section 6.3, 21-22, Section 6.4, 17-18 and Section 6.5, 17-18. With the exam so close, it will not be possible to collect an assignment covering the final sections. However, you might like to try the questions below:

- Section 6.5, problems 6, 12, 24.
- Section 6.6, problems 4, 6.

Remaining readings:

- For Monday, Section 6.4.
- For Wednesday, Section 6.5.
- For Thursday, Section 6.6.

(Optional) Chapter 7 has some good stuff, but it may be better to spend your time studying what we have covered. One useful fact, from Section 7.1, is that *all* symmetric matrices (i.e. where $a_{ij} = a_{ji}$) are diagonalizable.