

Sixth Homework Assignment for Math 232 (D200)

Due: Friday, October 30th.

All section references are to the Lay text.

Reminder:

The second midterm is **Wednesday, November 4th** (in class).

Problems to hand in:

Section 2.3 problems 22 (note H is assumed to be $n \times n$), 24, 32

Section 2.6 problems 2, 6, 8

Section 2.7 problems 4, 16, 18

Find the 3 by 3 matrix that describes the projection of \mathbb{R}^2 onto the line $y = x + 3$ using homogeneous co-ordinates.

Some other problems you might try:

More true-false questions: Section 2.3 problems 11, 12, and Section 2.8 problems 21, 22.

Reading for this week:

For Wednesday, Sections 2.9 and 3.1

For Friday, Sections 3.2 and 3.3

(Optional) Chapter 4 contains and expands upon the material of Sections 2.8 and 2.9 in a more abstract setting. If you plan to take upper division math courses, it would be helpful to look at this material. However it is not easy.