

HOMEWORK 4 (MATH 115A, SPRING 2013)

Read: Friedberg, Section 2.2, 2.3, 2.4.

Solve: problems

- 26, 35 (Section 2.1)
- 2 b, e, 4, 5 c, d, f, g, 13, 16 (Section 2.2)
- 4 b, d, 11, 13, 17 (assume $\dim(V) = 2$), 18 (Section 2.3)
- 5, 6, 14 (Section 2.4)

This Homework is due Wednesday May 15, at 12:59:59 pm. (right before class, no delays allowed even by 1 minute).

Please read the collaboration policy on the course web page. Make sure you write your name in the beginning and your collaborators' names at the end.

You must **box** all answers. Remember that answers are not enough, you also need to prove the results, i.e. provide an explanation exhibiting your logic.