

MATH 342 SECTION 33650
WRITTEN HOMEWORK 1
DUE APRIL 4, 2016.
INSTRUCTOR: ROBERT LIPSHITZ

Reminder: homework is due at the *beginning* of class, handed to me or in my mailbox on the second floor of Fenton.

Required textbook problems (hand these in):

- (1) §4.1: 5, 6, 7, 8, 12, 15, 26, 27, 28.
- (2) §4.2: 2, 7, 8, 22, 27, 28, 31, 32, 33, 34.
- (3) §4.3: 2, 14, 16, 29, 30, 34.
- (4) §4.4: 1, 2, 3, 5, 6, 8.
- (5) §4.5: 4, 7, 9, 10, 16, 18.

Suggested practice (don't hand these in):

- Please read and make sure you can do the practice problems in Sections 4.1–4.5.
- Please read and use for review problems 4.1.23(a–d), 4.1.24(a–c), 4.2.25, 4.2.26, 4.3.21, 4.3.22, 4.4.15, 4.4.16, 4.5.19, 4.5.20.
- If you had trouble or got help with any of the assigned problems, solve another, similar problem (or two).

Bonus points. An extra 10% of the homework score will be awarded for correctly following the tutorial on using Sage for linear algebra computation, at <https://blogs.uoregon.edu/math342sp16lipshitz/> . For this week, just follow the steps in the post “Getting started”, print out the worksheet you create, and hand it in for full credit. (This should take 15–30 minutes. If it's taking longer, perhaps another classmate or I can help.)

Email address: `lipshitz@uoregon.edu`