

Homework for Math 2270 §1, Fall 2018

A. Treibergs, Instructor

November 29, 2018

Our text is by David C. Lay, Steven R. Lay and Judi J. McDonald, *Linear Algebra and its Applications*, 5th ed. Please read the relevant sections in the text as well as any cited reference. Assignments are due the following Friday, or on Dec 10, whichever comes first.

Your written work reflects your professionalism. Make answers complete and self contained. This means that you should copy or paraphrase each question, write in complete sentences, provide adequate explanation to help the reader understand the structure of your argument, be thorough in the details, state any theorem that you use and proofread your answer.

It also means that you do your own work. You can talk to other students about the problems, but you should write the solutions on your own. Copying from other students or the internet is cheating and plagiarism and against your student code. If you must use a source other than your textbook, being professional means that you provide a citation.

Homework from Wednesday to Tuesday will be due Friday. Late homework that is up to one week late will receive half credit. Homework that is more than one week late will receive no credit at all. Homework that is placed in my mailbox in JWB 228 before 3:00 pm Friday afternoon will be considered to be on time.

The on-line homework is the official listing of homework assigned for the week and takes precedence in case there is any discrepancy with the problems mentioned in class.

Please hand in problems A on Friday, August 24.

A. Exercises from Sec. 1.1 of the text

10[2, 8, 12, 16, 20]

Please hand in problems B on Friday, August 31.

B. Exercises from Sec. 1.2 – 1.3 of the text

21[4, 10, 12, 14, 18, 20]

32[12, 14, 18, 28]

Please hand in problems C on Friday, Sept.7.

C. Exercises from Sec. 1.4 – 1.7 of the text

40[16, 18, 34]
48[11, 26]
55[7, 14]
61[6, 12]

Please hand in problems D on Friday, September 14.

D. Exercises from Sec. 1.8 – 1.10 of the text

69[4, 9, 11, 19, 28]
79[1, 7, 17, 25]
87[1, 7, 9]

Please hand in problems E on Friday, September 21.

E. Exercises from Sec. 2.1 – 2.2 of the text

102[11, 22, 31]
111[1, 5, 8, 15, 21, 31, 34, 35, 39, 40]

Please hand in problems F on Friday, September 28.

F. Exercises from Sec. 2.3 – 2.5 of the text

117[1-7, 13, 15, 24, 27, 36]
123[9, 10, 15]
131[1, 11, 12, 17]

Please hand in problems G on Friday, October 5.

G. Exercises from Sec. 2.8 – 3.1 of the text

153[6, 25, 37]
159[5, 9, 14, 22]
169[4, 13, 15]

Please hand in problems H on Friday, October 19.

H. Exercises from Sec. 3.2 of the text

177[9, 14, 23, 25, 30, 36, 44]
188[7, 14, 15]

Please hand in problems I on Friday, October 26.

I. Exercises from Sec. 3.3 – 4.3 of the text

186[6, 13, 21, 27, 31]
197[2, 8, 20, 27]
207[7, 30, 31, 33]
215[19, 26, 31]

Please hand in problems J on Friday, Nov. 2.

J. Exercises from Sec. 4.4 – 4.6 of the text

224[12, 20, 32, 33]
231[11, 21, 23, 25]
238[3, 19, 27, 29]

Please hand in problems K on Friday, Nov. 9.

K. Exercises from Sec. 4.7, 5.1 and 5.2 of the text

244[1, 9, 14, 19]
273[5, 7, 14, 19, 25, 31]
281[8, 11, 19, 27]

Please hand in problems L on Friday, Nov. 16.

L. Exercises from Sec. 5.3 – 5.4 of the text

288[11, 18, 23, 27]
295[5, 8, 12, 15, 28, 30]

Please hand in problems M on Wednesday, Nov. 21.

M. Exercises from Sec. 5.5, 6.1 of the text

302[4, 8, 13, 24]
338[14, 23, 24, 29, 31]

Please hand in problems N on Friday, Nov. 30.

N. Exercises from Sec. 6.2 – 6.4 of the text

346[10, 13, 21, 25, 29]
354[5, 10, 14, 17, 19, 23]
360[7, 12, 14, 16, 19, 22]

You are responsible for problems O, but do not hand them in.

O. Exercises from Sec. 6.7 – 6.8 and 7.1 of the text

384[4, 6, 8, 9, 14, 18, 25]

391[6, 10, 11]

401[17, 19, 30]

The FINAL is Wed., Dec. 12, 8:00 – 10:00 AM. in the usual classroom, LCB 219.