

**MAT 1302 – Mathematical Methods II**  
**University of Ottawa**  
**Professor: Alistair Savage**

**Sections and Recommended Exercises for *Linear Algebra and its Applications*, by David C. Lay**

Lecture	Sections	Exercises
1	1.1	<b>Sec 1.1:</b> Practice Problem 3
2	1.1, 1.2	<b>Sec 1.1:</b> 1, 3, 11, 13, 15, 19; <b>Sec 1.2:</b> 1
3	1.2	<b>Sec 1.2:</b> 3, 5, 7, 9, 11, 13, 15, 17–21, 23–26
4	1.3	<b>Sec 1.3:</b> 1, 3, 5, 7, 9, 11, 13, 15, 17, 19
5	1.4, 1.6	<b>Sec 1.4:</b> 1, 3, 5, 7, 9, 11, 13, 17, 19; <b>Sec 1.6:</b> 11, 13, 15
6	1.5	<b>Sec 1.5:</b> 1, 3, 5, 7, 9, 11, 15, 17, 19, 21, 23
7	1.7	<b>Sec 1.7:</b> 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 22, 27, 33, 35, 37
8	2.1	<b>Sec 2.1:</b> 1, 3, 7, 9, 11, 13
9	2.1, 2.2	<b>Sec 2.1:</b> 15, 23, 27; <b>Sec 2.2:</b> 1, 3, 5, 9, 13, 17, 18
10	2.2, 2.3	<b>Sec 2.1:</b> 17; <b>Sec 2.2:</b> 19, 20, 23, 29, 31, 32, 35; <b>Sec 2.3:</b> 1, 3, 5, 7
11	2.6	<b>Sec 2.6:</b> 1, 3, 5, 7, 9
12	2.8	<b>Sec 2.8:</b> 7, 9, 11, 15, 17, 19, 21, 22; <b>Sec 4.1:</b> 3, 9, 11, 13
13	2.8, 2.9	<b>Sec 2.9:</b> 9, 11, 13, 15, 17, 19, 21, 23; <b>Sec 4.2:</b> 1, 3, 5, 15, 17, 19
14	3.1	<b>Sec 3.1:</b> 1, 3, 5, 7, 9, 11, 13, 19, 21, 23, 37
15	3.2	<b>Sec 3.2:</b> 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 39
16	Appendix B	See exercises posted on syllabus webpage
17	5.1	<b>Sec 5.1:</b> 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 26
18	5.2	<b>Sec 5.2:</b> 1, 3, 5, 7, 9, 11, 13, 15, 17, 19
19	5.3	<b>Sec 5.3:</b> 1, 3, 4, 5, 6, 7, 9, 11, 13, 15, 17, 19
20	1.10, 4.9	<b>Sec 1.10:</b> 9; <b>Sec 4.9:</b> 1, 3, 5, 7, 9, 11, 13

Exercises numbers in black correspond to exercises in both the third and fourth editions of the text. Numbers in blue correspond to the third edition only. Numbers in red correspond to the fourth edition only.

Note that the answers to odd-numbered exercises can be found at the back of the text and complete solutions to some questions can be found in the study guide to the text.