

Text: *Elementary Linear Algebra (8th edition, Prentice Hall)*, by Bernard Kolman and David Hill

Lab Manual: *Linear Algebra Labs with MATLAB (3rd edition)*, by D. Hill and D. Zitarlli

Problems listed as **Lab** are from the lab manual; the others are from the text. Some M-files will need to be copied from the course page in order to use the following MATLAB commands: **dotprod**, **gschmidt**, **invert**, **lsqgame**, **matdat1**, **modn**, **project**, **rowop** (it also needs the file **mat2stzh.m**)

Lesson	Sections	Problems
1	1.1	p.8: 1,2,4,5,15,20
	1.2	p.18: 2,7; Lab , 1.1: 1,2,3,4,5,6,7
2	1.3	p.28: 11,15,18,19,28
	1.4	p.37: 3,12,15,30,34,35,36; Lab , 3.1: 1,2
3	1.5	p.47: 11,20
	2.1	p.98: 1(b),6,7,8,12,14
4	2.1	p.98: 29,32; Lab , 4.2: 2 4.3: 1,2
	2.2	p.108: 11,15,19,20,29
5	3.1	p.134: 2,5,7,12,14,16,17
6	3.2	p.141: 4,5,6,8
	3.3	p.151: 2,4,6,10,11
7	3.3	p.151: 13,15,24,27(a)(b),29(a)(b),30(a)(b); Lab , 6.1: 2,3,4
8	3.4	p.162: 1,2,4,6,8
9	3.4	p.162: 11,12,13,16,17; Lab , 6.2: 1 6.3: 1
10	3.5	p.176: 3,5,8,11,14
11	3.5	p.176: 15,16,17,19(a)(b),31 ; Lab , 6.4: 1
12	3.6	p.185: 2,5,7,10,12
13	3.8	p.211: 1,3,6,7,9,12(b),14(b); Lab , 6.4: 2
14	3.8	p.211: 16(b),20(b),28,29,30
15	4.1	p.226: 2,6,8,10,18,25,26
16	4.3	p.245: 8,10,28,29,31,34; Lab , 9.1: 1 9.2: 1
17	4.4	p.257: 1,3,5,10,11,14; Lab , 10.3 1,2:
18	4.5	p.274: 1,3,12(a),13(a),14(a),16,20; Lab , 10.2: 1,4
19	4.6	p.281: 3,11,12
	5.1	p.297: 1,2,9,10
20	5.1	p.297: 11,12,13,17
	6.1	p.362: 3,5
21	6.2	p.371: 2,3,5,14,15,17
22	6.2	p.371: 23,25; Lab , 8.1: 5
	6.3	p.379: 4(a)(b),6
23	6.4	p.384: 2,4
	6.5	p.389: 1,4
24	7.1	p.406: 5,7,17; Lab , 13.2: 1,5
25	7.2	p.418: 6,8,11,13,20
26	7.4	p.437: 1,2,3,8,10
27	7.4	p.437: 15,19,20
28	AppendixB.1	p.579: 2(a)(b)(d),7,9; Lab , 1.2: 1,4,5,6
	AppendixB.2	p.588: 1(b),4(b),5(b),11(a)(c)
29	8.1	p.503: 1,2,5,6,7
30	8.1	See Course Web Page.

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