

### 136.130 Spring 2005 (L06) Suggested Problems for Homework

The following is a list of problems from the textbook (Elementary Linear Algebra by Anton) and should be regarded as an initial guide. Almost all of them have short answers at the end of the textbook. It is up to each individual student to decide if he/she needs to occasionally modify the list (by including or excluding problems from the exercise sets in the textbook). In general, doing more problems improves your understanding of the material and your chances to get a higher mark.

Section	Pages	Exercises
1.1	6-7	1-9 odd, 10
1.2	19-22	1-14 even, 17-19, 23, 26
1.3	33-37	1-6, 12-14, 18, 21, 23, 27-28
1.4	47-49	3-4, 7-9, 12, 14, 20-21, 31, 33, 35
1.5	56-58	1-3, 5-7, 9, 14, 19-20
1.6	64-66	1-6, 9, 12, 16-17, 21, 22, 23, 28
1.7	71-74	1-4, 7, 10, 15, 19, 30
2.2	94-95	1-6, 12, 17
2.3	102-103	1-4, 6, 12, 20
2.4	112-115	1-2, 5-7, 10-13, 16-19, 25, 27, 35
3.1	125	1(a)-(c), 2(a),(b),(g),(i), 3(a),(b),(f), 4, 6, 10-11
3.2	128-129	1(a),(b),(d),(e), 2(a),(c);,3-4, 6, 14
3.3	136-137	1(a),(c)-5(a),(c), 8, 10, 12, 13, 15, 24, 25
3.4	147-149	1-4, 8-10, 12, 15, 17, 21, 24, 37
3.5	155-157	1-39 odd
4.1	170-171	1-2, 4, 6, 9, 11, 14, 16
5.1	209-210	1-15 odd, 23-24
5.2	219-221	1-3, 5(a),(b), 6(a)-(c), 7, 9(a),(b)-11(a),(b), 13-14, 16, 25
5.3	229-230	1, 2(a),(b)-4(a),(b), 6(a), 7, 9, 11, 14-15, 23
5.4	243-245	1-3, 4(a),(b), 5, 7, 10, 11-13, 17, 20, 22, 31
5.5	257-259	1-3, 6(a)-(c), 7(a),(b)-9(a),(b), 11, 13, 15