

**MATH 1300 VECTOR GEOMETRY AND LINEAR ALGEBRA**  
**A03 , Slot 8**  
**Fall 2007**

**Instructor:** Nina Zorboska

**Office:** 530 Machray Hall

**Telephone :** 474-9832

**web page:** [http://home.cc.umanitoba.ca/~zorbosk/1300\\_07\\_F/1300.html](http://home.cc.umanitoba.ca/~zorbosk/1300_07_F/1300.html)

There will be 5 tutorial quizzes ( tests ) with the best 4 out of the 5 counting (no make up tests). They will be done the last 15 or 20 minutes of the tutorial hour.

The tutorial quizzes will be worth 10% of the final mark.

Tutorials for section A03 start on September 18 (Tuesday).

Tentative dates for the tutorial quizzes are:

**Tutorial Quizzes:** #1 September 25  
                          #2 October 9  
                          #3 October 30  
                          #4 November 13  
                          #5 November 27

**Midterm exam:** October 22 (Monday ) 5:30-6:30 p.m.

Exercises from the textbook that are assigned for homework will also be posted on my web page. They are a good guideline for questions during the tutorial hour.

**Office Hours:** Tuesdays 11:30 –12:30 and Wednesdays 10:30 – 11:30  
( or by appointment )

## MATH 1300, Fall 2007 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. Most 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	6-8	1-11 odd, 14
1.2	19-23	1-14 even, 17-19, 22, 26, 27, 31, 32
1.3	34-38	1- 6, 12-14, 18, 21, 29, 32
1.4	48-51	3, 4, 7, 8, 12, 14, 17, 20, 21, 29, 31, 35, 36
1.5	57-60	1-3, 6-8, 10, 13, 17, 22, 23
1.6	66-68	1-6, 9, 12, 17, 21-23, 27, 29
1.7	73-76	1, 3, 7, 10, 15, 19, 30
2.1	94-96	1, 2, 5, 7, 10, 13, 16-19, 25, 27, 35
2.2	101-103	1- 5, 12, 19
2.3	109-111	1- 4, 6, 9, 12, 20, 22
3.1	130-131	1(a)-(c), 2(a),(b),(g),(i), 3(a),(b),(f), 4, 6, 10, 11, 21
3.2	134-135	1(a),(b),(d),(e), 2(a),(c), 3, 6, 7, 11, 16
3.3	142-144	1(a),(c)- 6(a),(c), 8-10, 12, 13, 16, 17, 25, 27, 31
3.4	153-155	1-4, 8-10, 12, 15, 17, 21, 24, 37
3.5	162-165	1-41 odd, 47, 48, 51, 52
4.1	178-180	1, 2, 4, 6, 9, 11, 14, 16, 20
5.1	226-229	1-17 odd, 18, 27, 28, 31
5.2	238-240	1-3, 5(b),(d), 6(a)-(c), 7, 9(a),(b)-11(a),(b),13,14,16,24,25
5.3	248-250	1, 2(a),(b)-4(a),(b), 6(a), 7, 9, 12, 15, 19, 24
5.4	263-265	1-3, 4(a),(b), 5, 7, 10, 13, 18, 20, 22, 32, 36
5.5	276-278	1, 4, 6(a)-(c), 7(a),(b)- 9(a),(b), 11, 13, 16