

**Math 1151(Precalculus)    Lecture 020    Spring 2001.**  
**Last Updated: 02/09/01**

Instructor: Professor Peter A. Rejto.

Lecture: **13:25 a.m – 14:15 a.m.**, MWF    **Physics 150.**

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Office Hours: M,W,F 14:30 pm–15:20 pm or by appointment.

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Recitation Leaders: Disc. 21: Ren M. Riga; riga@math.umn.edu:

Discussion: 01:25 pm –02:15 pm, EE/Csci 2-260

Office: Lind Hall. 353; Office Hours: T,Th; 12:20 pm – 1:10 pm

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Disc. 22 Mariya Ponomarenko; mponom@math.umn.edu :

Discussion: 01:25 pm–02:15 pm, 1701 Univ 3

Office Hours: W 2:30 pm – 4:10 pm and F 2:30 pm – 3:20 pm

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Disc. 23 Ren M. Riga; riga@math.umn.edu:

Discussion: 02:30 pm–03:20 pm, Ford Hall 150

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Disc. 24 Burhan Biner; biner@math.umn.edu:

Discussion: 02:30 pm–03:20 pm, Akerman Hall 317

Office: Vincent Hall 358; Office Hours: M 13:25 pm–14:15 pm and W,F  
11:15 am–12:05 pm

Office Tel: 625.3896

website: [www.math.umn.edu/~biner](http://www.math.umn.edu/~biner)

**Textbook:** M.Sullivan, Precalculus, Prentice Hall, Fifth Edition.

**Prerequisites:** 3 and 1/2 years high school math, or C– or above in Math 1051, or placement exam. In particular, familiarity with operations on fractions is required!

**Homework:** Homework will be assigned in class from the enclosed SUGGESTED HOMEWORK list and possibly from other sources. Homeworks will be collected in class on every Friday.

**Tests:** We will have a diagnostic test on the High School Prerequisites on Wednesday January, 24; this test will be based on the text M.Sullivan, K.Murphy and M.Sullivan III, Algebra Review, Prentice Hall. The remaining three tests are, on Friday February, 16, on Friday March 16, and on Friday, April 13. About half of the test problems will be either the examples worked out in class or taken from the enclosed SUGGESTED HOMEWORK list. The remaining problems will be modelled on the problems mentioned before. Note that **the tests will emphasize the material treated in class.**

**Makeup Test:** As per Senate and Math. Department policies, written documentation etc, required. For those who qualify, there will be a uniform makeup test. Time: Tuesday, April 24, 10:10 am – 11:00 am. Place: EE/Csci 2260. **On Monday, April 23, please sign up for the makeup test with Professor Rejto by giving him your name and student number on a sheet of paper.**

**Incompletes:** As per senate and Math. Department policies, written documentation etc, required. Note that arrangements have to be made before the Final!

**Record keeping:** If there is a discrepancy between your records and ours, please let us know it immediately, but not later than two weeks. In any case we shall not adjust our records after two weeks.

**Calculators:** You may find a scientific calculator useful in doing some of the Homework problems. However, graphing calculators are not allowed. More specifically, calculators that display two or more lines are not allowed.

**Drop Date:** If you drop this course before the end of the second week, no mention of this course will appear on your transcripts.

**Grading:**

Homework/Quiz	10%
Tests 1 – 2 – 3	45%
Final Examination	45%

**UNIFORM, COMPREHENSIVE FINAL EXAMINATION,  
MONDAY MAY 7, 13:30 – 16:30  
place to be announced.**

## MATH 1151 (Precalculus II) Spring 2001

### APPROXIMATE SCHEDULE AND SUGGESTED HOMEWORK

	Date	Section	Suggested Homework Problems
W	1/17	Algebra Review	
F	1/19	5.1	p.378 (1-72) 73,81,83
M	1/22	5.2	p.392 (1-90) 92,95
W	1/24	DIAGNOSTIC TEST	(on algebra review)
F	1/26	5.3	p.404 (1-100) 101-107,119
M	1/29	5.4	p.415 (27-62) 65,67,70,72,77,81,83
W	1/31	5.5	p.427 (1-20,31-68) 21-30
F	2/2/	5.6	p.442 (1-62) 67,69,73
M	2/5	5.6	p.451 9,13,33,37,45,49,53,57,63,67-70,72
W	2/7	6.1	p.461 5,13,17,19,25,37,49,58,65,69, 71,73,79,80
F	2/9	6.2	p.470 (1-30) 41,49,53,61
M	2/12	6.3	p.480 (1-22) 23,25,27,29,37,43,49, 51,59,61
W	2/14	6.4	p.485 5,7,9,13,15,17,19,21,31,35,39
F	2/16	TEST 1	(through section 6.2)
M	2/19	6.5	p.500 (1-76,95-106) 77,81
W	2/21	6.5	p.500 85,89,107-111
F	2/23	6.6	p.510 (1-24) 27,33,37,41,47,52,55,77
M	2/26	6.6	p.516 5,13,23,29,43,47,65,71,75,81,87, 93, 95
W	2/28	7.1	p.527 3,5,13,17,19,27,28,33,39,47
F	3/2	7.2	p.538 (1-14) 17,19,21,25,27,29,33,41, 47-51
M	3/5	7.3	p.546 (1-24) 25,27,31,37-39
W	3/7	7.4	p.552 (1-24) 25,27,39,41
F	3/9	7.5	p.561 1,3,9,13; p.563 (1-34) 35,39,46, 51,52,57

M	3/12	8.1	p.576 (1–56) 57–72
W	3/14	8.2	p.593 (1–48) 49–51,53
F	3/16	TEST 2	(through section 7.5)
M	3/19	8.2	
W	3/21	3.5	p.261 (1–34,59–78) 37,39,41,45,53, 57,81,84
F	3/23	3.6	p.271 (1–44) 49,55,59,61,63,65–71
		SPRING BREAK	
M	4/2	3.7	p.278 (1–24) 27,29,31
W	4/4	3.7	p.282 (73–112) 116
F	4/6	8.3	p.603 (1–22) 25,27,29,30,33,39,41, 43,45,49
M	4/9	9.1–9.2	p.650 1–8,13,21,23,25,29,37,39,43, 45,47,49,51,53,59,65
W	4/11	9.3	p.660 1–4 (5–28) 31,37,39,45,47, 51–54,57,65,71
F	4/13	TEST 3	(through section 8.3)
M	4/16	9.4	p.673 1–4 (5–24) 29,33,43,47,53,57
W	4/18	10.1	p.719 1,5,9; do 17,19,23,35 by substitution AND by elimination; 57,61,63
F	4/20	10.2	p.734 (1–12) 17,23,24,39,41,51,83
M	4/23	10.2	
W	4/25	11.1	p.816 (1–12) 13,15,17,19,20,23,27, 35,37,43,57,61,63
F	4/27	11.2	p.823 5,7,15,19,21,27,31,33,37,39, 47,49
M	4/30	11.3	p.833 (1–10) 11–27 odd,35,37,41,42, 53,57,65,69,81,82
W	5/2	Review	
F	5/4	Review	
M	5/7	FINAL EXAM	(whole course)

**Notes:** the algebra review (1/17) and the diagnostic test (1/24) will be based on the text M.Sullivan, K.Murphy and M.Sullivan III, Algebra Review, Prentice Hall. Exercises in parentheses are drill. Do about every fourth problem, or more, until they become automatic.

## List of assigned Home Works as of update time of p.1

For problems in paranthesis do the first one than every other 8-th  
e.g. for (1-72) do 1,9,27,...65. In addition please do the following ones:

Section	Assigned Exercise
5.1	73,81,83
–	(73 also done in class)
5.2	92, 95
–	(95 also done in class)
5.3	101–107,119
–	(107 also done in class)
5.4	65,67, 72, 77, 81
–	(65, 67, 72 also done in class)
5.5	21 – 30
–	(21 also done in class)
5.6	67, 69, 73
Chapter 5 review	every other from the list, i.e.; 9,33, 45, 53, 63,72
6.1	every other from the list starting with the second,
–	i.e, 13,19,37,58, 69, 73, 80.
6.2	41,49,53,61, (41 also done in class)