

Math 1051 Precalculus I Schedule, Summer 2008, Robertson, page 1

Wk	Day	Date	HW #	Sec	Section Topic and Sub-topics	Hand In	
1	1	Mon 16 Jun	HW1	DiagT 2.1	Introduction to the course and syllabus	HW1	
					Do diagnostic & hand in as HW1		
			HW2		Solving First-Degree Equations		
				HW3	2.2	After class, on page 51 do problems 19, 27, 43, 55, 57, 61, 73b, 73c, 73e, 73f	
				HW3		Equations Involving Fractional Forms	
						After class, on page 59 do problems 5, 21, 35, 37, 39, 43, 49, 53	
	2	Tue 17 Jun			2.3	At start of class, hand in HW2	HW2
						At start of class, hand in HW3	HW3
				HW4		Equations Involving Decimals and Problem Solving	
				HW5		After class, on page 67 do problems 9, 23, 27, 31, 35, 37, 43, 47	
					DiagH	After class, do the problems on the diagnostic pretest key.	
	3	Wed 18 Jun			2.4	At start of class, hand in HW4	HW4
						At start of class, hand in HW5	HW5
				HW6		Formulas	
						After class, on page 77 do problems 7, 9, 25, 27, 29, 31, 43, 45, 47, 49, 53, 55, 59	
HW7				2.5		Inequalities	
					After class, on page 86 do problems 1, 3, 5, 9, 11, 13, 19, 27, 53, 63, 67, 74a, 74b, 74d, 74f		
4	Thu 19 Jun			2.6	At start of class, hand in HW6	HW6	
					At start of class, hand in HW7	HW7	
			HW8		More on Inequalities and Problem Solving		
					After class, on page 94 do problems 1, 7, 21, 25, 31, 35, 37, 39, 45, 53, 55, 57, 61		
5	Fri 20 Jun			2.7	At start of class, hand in HW8	HW8	
			HW9		Equations and Inequalities Involving Absolute Value		
					After class, on page 101 do problems 15, 17, 23, 25, 31, 33, 41, 47, 49, 51, 53		
			HW10		3.1	Polynomials: Sums and Differences	
					After class, on page 113 do problems 17, 19, 25, 27, 41, 45, 53, 55, 61		
			HW11	3.2	Products and Quotients of Monomials		
					After class, on page 120 do problems 13, 21, 29, 45, 49, 59, 61, 67, 79, 83, 89		
2	6	Mon 23 Jun		3.3	At start of class, hand in HW9	HW9	
					At start of class, hand in HW10	HW10	
					At start of class, hand in HW11	HW11	
			HW12		Multiplying Polynomials		
					After class, on page 127 do problems 13, 19, 21, 27, 75, 81		
				HW13	3.4	Factoring: Use of the Distributive Property	
						After class, on page 135 do problems 15, 17, 19, 23, 27, 41, 43, 53, 59, 63, 65, 87, 89, 95, 97, 101, 103	
				HW14	3.5	Factoring: Difference of Two Squares and Sum or Difference of Two Cubes	
						After class, on page 142 do problems 21, 25, 33, 45, 53, 59, 79	
	7	Tue 24 Jun			3.6	At start of class, hand in HW12	HW12
				At start of class, hand in HW13		HW13	
				At start of class, hand in HW14		HW14	
					Factoring Trinomials		
					After class, on page 150 do problems 1, 3, 11, 19, 21, 23, 27, 51, 71, 77, 91, 93, 99, 103		
8	Wed 25 Jun			3.7	At start of class, hand in HW15	HW15	
			HW16		Equations and Problem Solving		
					After class, on page 156 do problems 7, 21, 41, 47, 57, 59, 65		
			HW17	4.1	Simplifying Rational Expressions		
					After class, on page 170 do problems 15, 19, 23, 31, 51, 59, 61, 65		
9	Thu 26 Jun			4.2	At start of class, hand in HW16	HW16	
					At start of class, hand in HW17	HW17	
			HW18		Multiplying and Dividing Rational Expressions		
					After class, on page 176 do problems 11, 17, 23, 27, 37		
10	Fri 27 Jun			4.3	At start of class, hand in HW18	HW18	
			HW19		Adding and Subtracting Rational Expressions		
					After class, on page 184 do problems 9, 11, 21, 23, 27, 39, 49, 63		
			HW20	4.4	More on Rational Expressions and Complex Fractions		
					After class, on page 193 do problems 7, 11, 21, 31, 47, 53, 61		

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Wk	Day	Date	HW #	Sec	Section Topic and Sub-topics	Hand In	
3	11	Mon 30 Jun	HW21	Rev1 4.5	At start of class, hand in HW19	HW19	
					At start of class, hand in HW20	HW20	
					Review for Exam 1 on Chapters 2 and 3		
					After class, on page 107 do problems 1-9, 11-17, 19-24 and page 162 do problems 1-24		
					Dividing Polynomials		
						After class The homework for 4.5, is not due until Wednesday, the day after the exam.	
	12	Tue 1 Jul	HW22	Exam 1	At start of class, hand in HW21	HW21	
					Exam 1 on Chapters 2 and 3		
	13	Wed 2 Jul	HW23 HW24	4.6 4.7	At start of class, hand in HW22	HW22	
					Fractional Equations		
After class, on page 208 do problems 3, 23, 31, 37, 49, 57							
				More Fractional Equations and Applications			
				After class, on page 217 do problems 1, 5, 21, 25, 31, 45, 47, 53			
14	Thu 3 Jul	HW25	5.1	At start of class, hand in HW23	HW23		
				At start of class, hand in HW24	HW24		
				Using Integers as Exponents			
				After class, on page 231 do problems 1, 15, 33, 37, 41, 65, 67, 69, 73, 75			
	Fri 4 Jul			No class. University is closed.			
4	15	Mon 7 Jul	HW26 HW27	5.2 5.3	At start of class, hand in HW25	HW25	
					Roots and Radicals		
					After class, on page 242 do problems 23, 25, 29, 47, 49, 63		
					Combining Radicals and Simplifying Radicals That Contain Variables		
					After class, on page 248 do problems 1, 3, 5, 13, 19, 31, 33, 35, 43, 65, 67, 73		
	16	Tue 8 Jul	HW28	5.4	At start of class, hand in HW26	HW26	
					At start of class, hand in HW27	HW27	
					Products and Quotients Involving Radicals		
					After class, on page 254 do problems 5, 11, 21, 31, 39, 53, 59, 63		
	17	Wed 9 Jul	HW29 HW30 HW31	5.5 5.6 5.7	At start of class, hand in HW28	HW28	
					Equations Involving Radicals		
					After class, on page 260 do problems 9, 15, 17, 31, 32, 49		
					Merging Exponents and Roots		
					After class, on page 266 do problems 3, 7, 11, 17, 23, 49, 55, 63, 69, 77, 87		
					Scientific Notation		
					After class, on page 271 do problems 3, 5, 9, 13, 15, 21, 27, 45, 55 (don't you wish it was 2000 again!), 59		
	18	Thu 10 Jul	HW32	6.1	At start of class, hand in HW29	HW29	
					At start of class, hand in HW30	HW30	
					At start of class, hand in HW31	HW31	
Complex Numbers							
				After class, on page 285 do problems 9, 13, 15, 27, 35, 39, 41, 43, 51, 55, 59, 65, 71, 75, 79, 85, 87, 91, 101a, 101d			
19	Fri 11 Jul	HW33 HW34 HW35	6.2 6.3 6.4	At start of class, hand in HW32	HW32		
				Quadratic Equations			
				After class, on page 293 do problems 5, 9, 21, 25, 29, 43, 57, 67, 69, 91			
				Completing the Square			
				After class, on page 299 do problems 15, 19, 29, 33, 35, 49, 51, 65, 69			
				Quadratic Formula			
				After class, on page 307 do problems 11, 15, 25, 41, 47, 65			

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Wk	Day	Date	HW #	Sec	Section Topic and Sub-topics	Hand In
5	20	Mon 14 Jul	HW36 HW37	6.5 7.1	At start of class, hand in HW33	HW33
					At start of class, hand in HW34	HW34
					At start of class, hand in HW35	HW35
					More Quadratic Equations and Applications	
					After class, on page 317 do problems 25, 33, 43, 51, 55, 61, 75, 83, 85	
	21	Tue 15 Jul	HW38	7.2	At start of class, hand in HW36	HW36
					At start of class, hand in HW37	HW37
					Graphing Nonlinear Equations	
	22	Wed 16 Jul	HW39	Rev2 7.4	After class, on page 346 do problems 1, 11, 29, 31, 45	
					At start of class, hand in HW38	HW38
23	Thu 17 Jul	HW40	Exam 2	Review for Exam 2 on Chapters 4, 5, and 6		
				After class, on page 223 do problems 1, 3, 5, 7, 9, 13, 14, 16, 18, 20, 21, 23 and on page 277 do problems 1, 6, 7, 10, 11, 12, 13, 15, 16, 22, 23 and on page 330 do problems 1, 2, 5, 11, 15, 21, 24		
	Fri 18 Jul			Distance and Slope		
				After class: The homework for section 7.4 is not due until Monday.		
				At start of class, hand in HW39	HW39	
				Exam 2 on Chapters 4, 5, and 6		
				After class, in section 7.4 on page 371 do problems 1, 9, 17, 29, 41, 43, 51		
				No class		
6	24	Mon 21 Jul	HW41 HW42	7.5 8.1	At start of class, hand in HW40	HW40
					Determining the Equation of a Line	
					After class, on page 383 do problems 1, 7, 9, 15, 19, 21, 27, 31, 33, 39, 41, 43, 51, 55	
	25	Tue 22 Jul	HW43	8.2	Concept of a Function	
					After class, on page 399 do problems 1, 11, 15, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 63	
	26	Wed 23 Jul	HW44 HW45	8.6 8.7	At start of class, hand in HW41	HW41
					At start of class, hand in HW42	HW42
					Linear Functions and Applications	
	27	Thu 24 Jul	HW46	10.1	After class, on page 408 do problems 3, 11, 17, 19, 21, 35	
					At start of class, hand in HW43	HW43
	28	Fri 25 Jul	HW47 HW48	10.2 10.3	Combining Functions	
					After class, on page 448 do problems 3, 11, 13, 17, 19, 21, 23, 25, 27	
					Direct and Inverse Variation	
				After class, on page 456 do problems 1, 3, 5, 9, 15, 23, 25, 27, 31		
				At start of class, hand in HW44	HW44	
				At start of class, hand in HW45	HW45	
				Exponents and Exponential Functions		
				After class, on page 528 do problems 1, 3, 5, 7, 9, 11, 17, 21, 25, 37		
				At start of class, hand in HW46	HW46	
				Applications of Exponential Functions		
				After class, on page 538 do problems 1a, 7, 15, 25, 35, 37a		
				Inverse Functions		
				After class, on page 549 do problems 3, 5, 7, 9, 13, 15, 19, 41, 47, 49		

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Wk	Day	Date	HW #	Sec	Section Topic and Sub-topics	Hand In
7	29	Mon 28 Jul	HW49	Rev3 10.4	At start of class, hand in HW47	HW47
					At start of class, hand in HW48	HW48
					Review for Exam 3 on Chapters 7 and 8	
					After class, on page 390 do problems 1, 3, 5, 7, 8, 9, 10, 13, 14, 18 and on page 462 do problems 1, 3, 4, 5, 7, 9, 10, 12, 16, 17	
					Logarithms	
					After class: The homework for section 10.4 is not due until Wednesday.	
	30	Tue 29 Jul	HW50	Exam 3	At start of class, hand in HW49	HW49
					Exam 3 on Chapters 7 and 8	
	31	Wed 30 Jul	HW51 HW52	10.5 10.6	At start of class, hand in HW50	HW50
					Logarithmic Functions	
					After class, on page 568 do problems 1, 11, 21, 31, 47, 49, 51	
	32	Thu 31 Jul	HW53	11.1	Exponential Equations, Logarithmic Equations, and Problem Solving	
					After class, on page 578 do problems 3, 7, 15, 17, 21, 27, 29, 33, 43, 45, 57	
					At start of class, hand in HW51	HW51
	33	Fri 1 Aug	HW54 HW55	11.2 14.1	At start of class, hand in HW52	HW52
Systems of Two Linear Equations in Two Variables						
After class, on page 598 do problems 1, 11, 25, 29, 31, 35, 47, 63, 69, 73, 79						
At start of class, hand in HW53					HW53	
34	Mon 4 Aug	HW56 HW57	14.2 14.3	Systems of Three Linear Equations in Three Variables		
				After class, on page 608 do problems 1, 3, 13, 23		
				Arithmetic Sequences		
				After class, on page 741 do problems 1, 11, 15, 17, 19, 23, 25, 31, 33, 37, 39, 43, 45, 49, 51, 53, 59, 65		
35	Tue 5 Aug	HW58	RF1	At start of class, hand in HW54	HW54	
				At start of class, hand in HW55	HW55	
				Geometric Sequences		
36	Wed 6 Aug	HW59 HW60	RF2 Eval	After class, on page 750 do problems 1, 3, 5, 13, 17, 21, 23, 33, 35, 39, 41, 45, 47, 49, 59		
				Another Look at Problem Solving		
				After class, on page 756 do problems 1, 3, 11, 17, 21, 25		
				Review Chapters 2, 3, 4, 5, and 6 for Final Exam		
37	Thu 7 Aug			After class, on page 104 do problems 3, 7, 10, 17, 27, 33, 34, 46 and on page 160 do problems 2, 10, 25, 37, 56, 68 and on page 221 do problems 5, 9, 19, 22, 27, 40 and on page 275 do problems 11, 13, 14, 19, 27, 29, 33, 39, 44, 47, 51 and on page 328 do problems 3, 7, 18, 23, 26, 36		
				After class, on page 388 do problems 6, 8, 12, 18, 28, 50 and on page 460 do problems 2a, 3, 4, 5, 27, 28, 44 and on page 581 do problems 1, 5, 11, 16, 18, 22, 29a, 30b, 31, 52a, 58 and on page 644 do problems 2, 5, 32 and on page 765 do problems 11, 17, 25, 27		
				After class, do course evaluation on web at www.eval.umn.edu		
38	Fri 8 Aug		Final Exam	Question and answer review for final exam		
				Before exam begins hand in HW58	HW58	
				Before exam begins hand in HW59	HW59	
				Before exam begins hand in HW60 (that is, if you did the evaluation, write on a piece of paper "I did the evaluation." and hand that in.)	HW60	
				Exam (final) on Chapters 2, 3, 4, 5, 6, 7, 8, 10, 11, 14		