

12/28/2009 7:45 Math 103B - College Algebra - Part 1 Winter 2010					
Lecture subjects and sections from the book: Precalculus, 5th edition, by Michael Sullivan and Michael Sullivan III				Homework problems will not be graded in entirety - Select problems will be graded.	
Mon	4-Jan		Introductions		Homework Problems
		1.5	Introductions & Review and 1.5 Circles		due on the date listed
		5.1	Composite Functions		
Wed	6-Jan	5.2	One-To-One Functions Inverse Functions	1.5	7, 9, 15, 17, 25, 31, 35, 37, 39, 47, 55
		5.3	Exponential Functions	5.1	7, 9, 11, 13, 19, 21, 29, 33, 35, 45, 49, 53, 61, 69, 71
		5.4	Logarithmic Functions		
Mon	11-Jan	5.5	Properties of Logarithms	5.2	9, 11, 13, 15, 27, 31, 33, 37, 41, 47, 49, 51, 57, 59, 63, 69, 71, 73, 81, 89
		5.6	Log and Exponential Equations	5.3	3, 7, 11, 21, 23, 25, 29-36, 37, 39, 47, 49, 51, 53, 59, 61, 67, 71, 77, 83, 85, 87, 95, 101
			Review for Mid 1	5.4	9, 11, 15, 17, 19, 23, 25, 27, 29, 33, 39, 45, 49, 55, 59, 71, 79, 87, 89, 97, 99, 105, 107, 117, 119, 131*
Wed	13-Jan	Midterm 1 Chap 5.1 - 5.6 plus 1.5 Circles			
				5.5	7, 9, 11, 13, 15, 17, 23, 27, 29, 31, 35, 37, 41, 45, 47, 51, 53, 55, 57, 65, 67, 73, 77, 81, 85, 89, 91, 99, 101
				5.6	5, 7, 13, 15, 17, 21, 23, 25, 31, 33, 35, 39, 41, 43, 49, 53, 57, 61, 63, 65, 69, 75, 77, 79, 85
Mon	18-Jan	College Closed - Martin Luther King Holiday			
Wed	20-Jan	5.7	Financial Models		
		5.8	Growth and Decay		
		5.9	Exponential and Log Models		
Mon	25-Jan	10.1	Conics	5.7	3, 5, 11, 13, 15, 19, 23, 27, 31, 35, 41, 43, 45, 47, 57, 61, 63, 69
		10.2	The Parabola	5.8	1, 3, 5, 7, 11, 13, 22*, 23, 25, 29
				5.9	1, 3, 5, 11
Wed	27-Jan	10.3	The Ellipse	10.1	none
				10.2	11-18, 19, 23, 27, 29, 33, 39, 43, 49, 53, 59, 63, 67, 73, 75
Mon	1-Feb	10.4	The Hyperbola	10.3	13-16, 17, 19, 21, 23, 27, 29, 31, 35, 39, 41, 45, 47, 49, 51, 53, 55, 59, 63, 65, 69, 71, 73, 79
Wed	3-Feb	11.1	Linear Equation Systems	10.4	13-16, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 45, 47, 53, 55, 57, 63, 69, 73, 75
		11.2	Linear Equations 3 Systems Matrices		
Mon	8-Feb	11.3	Linear Equations - Determinants	11.1	7, 9, 13, 19, 23, 25, 29, 35, 37, 39, 43, 45, 53, 57, 59, 61, 63, 69, 73, 75
		Review		11.2	7, 11, 13, 15, 17, 19, 27, 37, 39, 47, 53, 55, 57, 69, 73, 77, 85
				11.3	5, 7, 11, 13, 15, 17, 21, 29, 33, 35, 43, 45, 49, 51, 55, 57
Wed	10-Feb	Midterm 2 Chap 5.7 - 5.9 & 10.1 - 10.4 and 11.1 - 11.3			
Mon	15-Feb	College Closed - Washington's Birthday			
Wed	17-Feb	11.4	Matrix Algebra		
Mon	22-Feb	11.7	Systems Inequalities	11.4	7, 11, 13, 15, 23, 27, 29, 31, 33, 35, 39, 43, 47, 59, 61, 65, 69, 73, 77, 83
		11.8	Linear Programming		
Wed	24-Feb	12.1	Sequences	11.7	15, 17, 23, 27, 29, 35, 37, 39, 41, 43, 45, 49, 53, 55, 59
		12.2	Arithmetic Sequences	11.8	11, 15, 17, 19, 21, 23
Mon	1-Mar	12.3	Geometric Sequences	12.1	13, 15, 19, 21, 23, 25, 29, 35, 37, 45, 51, 53, 55, 59, 63, 65, 67, 71, 73, 75, 77, 83, 99
		Review		12.2	5, 7, 13, 19, 21, 23, 27, 29, 33, 35, 39, 45, 47, 49, 53, 57, 65
Wed	3-Mar	Midterm 3 Chap 11.4 - 11.8 & 12.1 - 12.3			
Mon	8-Mar	12.4	Mathematical Induction	12.3	9, 11, 15, 17, 19, 23, 25, 27, 31, 33, 37, 39, 41, 43, 45, 47, 49, 51, 57, 59, 63, 67, 73, 79, 83, 85, 87, 95, 97
Wed	10-Mar	12.5	Binomial Theorem	12.4	all odd 1-21, 23, 27
Mon	15-Mar	13.2	Permutations and Combinations	12.5	5, 13, 19, 21, 25, 29, 33, 35, 37, 41, 43
Wed	17-Mar	Review		13.2	7, 13, 15, 21, 23, 31, 33, 35, 37, 39, 45, 49, 51, 53, 59
Mon	22-Mar	Final Exam			
					Comprehensive
					Notes: #5.4-131* & #5.8-22* You will see these on a test.