Math 131   Calc I with Review (Part II)   Fall 2011

Week	Date	Topic	Homework
1	8/26	Review	worksheet #1
	29	Inverse Functions	[P4.2] 5, 7, 17-53, 63-67, 71, 73, 79, 81
	30	Exponential Functions	[P4.3] 21-79, 85, 93
	31	Logarithm Functions	[P4.4] 7-45, 53-61, 67-85
2	9/2	Logarithm Properties	[P4.5] 7-41, 51-67, 79-85, 89, 93, 95
	5	L-A-B-O-R D-A-Y	
	6	Exp & Log Equations	[P4.6] 1-29, 35, 41-47
	7	Exp & Log Applications	[P4.4] 111-127 [P4.7] 3-11, 31-39 [P4.8] 1-11, 19
	9	**Quiz #1 on Algebra of Exponential & Logarithm Functions**	
3	12	Exp & Log Derivatives	[3.1] 31, 35 [3.2] 37a, 39a, 45 [3.4] 5, 15, 43 [3.6] 11-33
	13	More Exp & Log Derivatives	[3.2] 3, 5, 17, 23, 27 [3.4] 55a, 67, 73 [3.6] 5, 7, 49-53
	14	Logarithmic Differentiation	worksheet #2
	16	Exp & Log Graphing	[4.1] 43, 59, 61 [4.3] 15, 17, 49, 51 [4.5] 41-45, 49, 51
4	19	Exp & Log Integrals	[5.3] 35, 39 [5.4] 23 [5.5] 1, 19, 25, 59, 67, 69
	20	More Exp & Log Integrals	worksheet #3
	21	Review	
	23	**Test #1 on Exponential & Logarithm Functions**	
5	26	Angles	[P5.1] 1, 7-21, 35-57, 71-95
	27	Trig Functions	[P5.2] 19-73, 95-99
	28	Properties of Trig Functions	[P5.3] 5-75, 89-117, 131
	30	Sine and Cosine Graphs	[P5.4] 5-15, 19-41, 47-55, 75-83
6	10/3	Other Trig Graphs	[P5.5] 3-35, 41a
	4	V-A-L-U-E-S D-A-Y	
	5	Inverse Trig Functions	[P6.1] 13-55
	7	**Quiz #2 on Basic Trigonometry**	
7	10	Trig Identities	[P6.3] 9-71
	11	Sum and Difference Identities	[P6.4] 9, 13, 21, 29, 39-55
	12	Double & Half Angle Identities	[P6.5] 7, 11, 19-23, 35-45, 75
	14	F-A-L-L B-R-E-A-K	
8	17	Trig Equations	[P6.7] 7-29
	19	More Trig Equations	[P6.8] 3-21, 27-35, 51-55, 63ac
	20	Trig Applications	[P7.1] 9-17, 29-51, 55, 61, 71
	21	Review	
	24	**Test #2 on Trigonometry**	

Week	Date	Topic	Homework
9	25	Trig Derivatives	[3.3] 1-35, 49, 51
	26	More Trig Derivatives	[3.4] 13, 23, 29-41, 45, 49, 53, 59 [3.5] 13, 19 [3.6] 3, 9, 43-47
	28	Trig Integrals [5.3] 31,41,45,49 [5.4] 3,15-19,35,37 [5.5] 5,7,15,21,23,29-39,55,57,75,79	
	31	Inverse Trig Derivatives	worksheet #4
10	11/1	Inverse Trig Integrals	worksheet #5
	2	**Quiz #3 on Calculus of Trig Functions**	
	4	Related Rates	worksheet #6
	7	Graphing	[4.3] 13, 43 [4.5] 31-39, 47
11	8	More Graphing	worksheet #7
	9	Max / Min	worksheet #8
	11	More Max / Min	worksheet #9
	14	Newton's Method	[4.8] 1-27, 31, 33, 37, 39
12	15	Review	
	16	**Test #3 on Applications of Trig Functions**	
	18	Definition of Limit	[2.4] 1-9, 13-31, 37
	21	Squeeze Theorem	worksheet #10
13	22	L'Hospital's Rule	[4.4] 1-21, 25-37
	23	T-H-A-N-K-S-G-I-V-I-N-G B-R-E-A-K	
	25	T-H-A-N-K-S-G-I-V-I-N-G B-R-E-A-K	
	28	Indeterminate Forms	[4.4] 39-65, 69, 71, 75, 79, 81
14	29	**Quiz #4 on Theory of Limits**	
	30	Continuity	[2.5] 1-13, 21-29, 37-41, 45-53
	12/2	Mean Value Theorem	[4.2] 1-7, 11-19, 23, 25, 29
	5	Fundamental Theorem	[5.3] 3-17, 53-59, 63, 73, 75
15	6	Review	
	7	**Test #4 on Theory of Calculus**	
	9	Review	
	14	Final Exam (8-10 am)	