MATHEMATICS ASSIGNMENTS
CALCULUS– MS. WILDSTROM
MARCH 10-APRIL 22, 2009

DATE		READING LECTURE	PROBLEMS DUE	WORKSHEET QUIZ/TEST
Tues.,	3-10	7.2,3,5		
Wed.,	3-11	7.1		
Thurs.,	3-12		NOTEBOOKS DUE!	CHAPTER 6 TEST
Fri.,	3-13			MORE TEST Journal (3-15)
Mon.,	3-16	7.2,3	p. 380-381, #5,7,9,11,27,29,31.	Read/Internet
Tues.,	3-17	7.3	p. 390-391, #12,14,17,25,26,29-34 all, 35-45 odd, 46,53.	
Wed.,	3-18	7.4	p. 397-398 #17-19 all, 23,25,29-35 odd, 36,37,40,41,43.	
Thurs.,	3-19	7.4	p. 406-407 #3,5,7,11,13,14,15,17,18,20-22	Wksht 7.1,2,3
Fri.,	3-20	7.5	p. 406-407 #25,26,29-31,36-41,43.	
Mon.,	3-23	7.5	p. 414 #1,3,5,10,15-23 odd, 24,25.	
Tues.,	3-24			QUIZ 7.1,2,3
Wed.,	3-25	7.5	p. 414-415 #27,29,33,34,37,39,40,43.	
Thurs.,	3-26	Review	p. 423 #5,9,13,14-16,19,20,22,26,29	
Fri.,	3-27	Review	p. 423-424 #36,37,39,41,47,50,55, 61,68,69,71,73,79,83,85,87.	Wksht 7.4,5 Journal (3-29)
Mon.,	3-30		NO SCHOOL!	
Tues.,	3-31	7.6		
Wed.,	4-1		NOTEBOOKS DUE!	TEST 7-12345
Thurs.,	4-2	7.6	p. 421 #1,2,4,5,6,7,10,13.	
Fri.,	4-3		Worksheet of AP Problems	Journal (4-5)
			HAVE A GREAT BREAK!	
Tues.,	4-14	8.1,2		Worksheet of AP Problems
Wed.,	4-15	8.1,2	(Review p. 432-433 #1-17 odd, 19-22 all, 38. This was done in September) p. 438-439 #1-27 odd. (Many of these problems were done in November)	
Thurs.,	4-16	8.1,2	p. 439 #29-44, 49,50.	AP TEST (1998)
Fri.,	4-17	Review	p. 452-453 #25-28,32, 35,36,41,44.	Journal (4-19)
Mon.	4-20	Review	Loose ends from 7.6, 8.1,2.	
Tues.,	4-21		NOTEBOOKS DUE	QUIZ 7.6 and 8.12
Wed.,	4-22	9.1		

OBJECTIVES: Students should be able to:

1. find inverses of one-to-one functions, use the reciprocal of the derivative of a function to find the value of the derivative of the inverse of a function (at a point). (7.1)
2. find derivatives of natural logarithmic functions: if y = ln u then y' = du/u, and use logarithmic differentiation to find derivatives of intricate functions (ie, complicated products of powers of expressions, exponential functions in which the variable appears in both the base and the exponent). (7.2)
3. find derivatives of exponential functions for with base e: if $y = e^u$ then $y' = e^u du$. (7.3)
4. use the fact that integration is the inverse of differentiation to integrate expressions needing natural logarithms for their evaluation and those involving powers of e. (7.4)
5. differentiate and integrate logarithmic and exponential expressions with other bases. (7.5)
6. use logarithms to solve narrative problems especially those dealing with growth, decay, and cooling. (7.6)
7. use inverse trigonometric functions to evaluate expressions, draw and interpret triangles using these values, and solve equations involving trigonometric fuctions. (8.1)
8. differentiate and integrate expressions related to inverse trigonometric functions and use these skills to solve problems involving the measurements of changing angles. (8.2)

DO NOT FORGET (AS I OFTEN DO) THAT ALL TRIGONOMETRIC WORK IN CALCULUS RELIES ON OUR USING RADIANS FOR ALL REFERENCES TO ANGLES (EVEN IF THE PROBLEM ORIGINALLY STATES INFORMATION USING DEGREES!!!!)