Calculus Iola High School Assignment Sheet

***(all assignments are every 3rd unless specified, ex; 3,6,9,…)

SECTION	TOPIC	PAGE(ASSIGNMENT)
1.1	A Brief Preview of Calculus	78(#3-18)
1.2	The Concept of Limit	85(#3-9,15-24,30)
1.3	Computation of Limits	95(#3-33,39,42,51,63,66)
1.4	Continuity and its Consequences	106(#3-30,42,51)
1.5	Limits Involving Infinity; Asymptotes	118(#3-30,36-45)
	Review Worksheet	
	TEST CHAPTER ONE	
2.1	Tangent Lines and Velocity	155(#6-12,18-36,37,40,51)
2.2	The Derivative	166(#3-18,25,33)
2.3	The Power Rule	177(#3-45)
2.4	The Product and Quotient Rules	186(#3-15,19,21-27,49,51)
2.5	The Chain Rule	194(#3-27,36,39)
2.6	Derivatives of Trigonometric Functions.	203(#3-18,27,30)
2.7	Derivatives of Exp. and Log. Functions	214(#3-36)
2.8	Implicit Differentiation	225(#3-36)
2.9	The Mean Value Theorem	234(#3-15)
	Review Worksheet	
	TEST CHAPTER TWO	
3.1	Linear Approximations	251(#3,6,9)
3.2	Indeterminate Forms	263(#3-15)
3.3	Maximum and Minimum Values	274(#3-39)
3.4	Increasing and Decreasing Functions	284(#3-42)
3.5	Concavity and the 2nd Derivative Test	293(#3,9-42,48,54)
3.6	Overview of Curve Sketching	306(#3-15)
3.7	Optimization	316(#3,5,15)
3.8	Related Rates	324(#3,5,9)
3.9	Rates of Change in Economics	335(#3,7,9,11,16)
	Review Worksheet	
	TEST CHAPTER THREE	
4.1	Anti-derivatives	352(#6-30, 39-48,49,61)
4.2	Sums and Sigma Notation	360(#3-18,27,30,35,36)
4.3	Area	367(#2,4)
4.4	The Definite Integral	380(#3-24,25,36,42,48)
4.5	The Fundamental Theorem of Calculus	390(#3-24,33-42,48,54,57)

4.6	Integration by Substitution	400(#3-48)
4.7	Numerical Integration	413(#1-9odd)
4.8	The Natural Logarithm as an Integral	424(#9-30)
	Review Worksheet	
	TEST CHAPTER FOUR	

At this time we will see how much of the Semester is left to determine which chapters to do next.

Dead Day
Comprehensive Final Exam