

Week	Date	Topic	Homework
1 2	1/12	Functions	[1.1] 1, 5-21, 27-31, 51-57, 61-69 [1.3] 1-11, 17, 21
	14	Linear Functions/Equations	worksheet #1
	17	---- MLK DAY ----	
	18	Linear Applications	worksheet #2
	19	Quadratic Functions	worksheet #3
	21	Quadratic Equations	worksheet #4
	24	Quadratic Applications	worksheet #5
	25	Quiz #1 on Linear and Quadratic Functions	
	26	Average Rates of Change	worksheet #6
	28	Instantaneous Rates of Change	[2.1] 1-7
3	31	Limits	[2.2] 1-23, 37
	2/1	Limit Laws	[2.3] 1-11, 15-25, 31, 49, 51, 55, 59
	2	Derivatives at Points	[2.7] 1-31, 37-49
	4	Derivatives as Functions	[2.8] 1-13, 17-29, 33, 41, 43, 51, 55
	7	Review	
4	8	Test #1 on Derivatives	
	9	Positive Integer Exponents	worksheet #7
5	11	Negative/Fractional Exponents	worksheet #8
	14	Simplifying and Factoring	worksheet #9
	15	Powers, Roots, Polynomials	worksheet #10
	16	Quiz #2 on Polynomial Algebra	
	18	Easy Derivative Rules	[3.1] 3-15, 19-29, 33, 37, 41, 45, 49-55, 59-65, 77
6	21	Product Rule	[3.2] 1, 9, 11, 19, 43a, 47a, 49a, 53
	22	Composition	[1.3] 31-53, 59, 61, 65
	23	Chain Rule	[3.4] 3, 7-11, 17-21, 47, 51, 57, 61-65, 69, 71
	25	Implicit Differentiation	[3.5] 1ab, 3ab, 5-9, 17, 21, 25-29, 39-43
	28	Quiz #3 on Derivative Rules	
	3/1	Related Rates	[3.9] 1-15
7	2	Related Rates	[3.9] 17-27, 31, 33
	4	Max/Min Problems	[4.7] 3, 5, 9-25
		---- SPRING BREAK ----	
8	14	Max/Min Problems	[4.7] 27-39, 47-57
	15	Review	
	16	Test #2 on Derivative Rules and Applications	

Week	Date	Topic	Homework
9	18	Rational Expressions	worksheet #11
	21	Limits of and at ∞	[2.3] 13 [2.6] 3-9, 15-25, 29, 31, 39-43, 55
	22	Quotient Rule	[3.2] 7, 13, 15, 21, 25, 29, 31, 41, 43bc, 47b, 49bc, 51
	23	Linear Approximation	[3.10] 1, 5-9, 23, 25, 33, 35, 39, 43
	25	Quiz #4 on Rational Functions	
10	28	Extrema	[4.1] 1-13, 29-39, 47-55, 63-69
	29	First Derivative Test	[4.3] 1ab, 5, 9ab, 11ab, 31abe, 33-41ab, 53, 67
	30	Second Derivative Test	[4.3] 1cde, 7, 9c, 11c, 19-29, 31cd, 33-41c, 45, 47, 61, 63, 69, 73
	4/1	Graphing	[4.5] 1-29
	4	Review	
11	5	Test #3 on Rational Functions and Extrema	
	6	Area	[5.1] 1, 5, 11-15
12	8	Σ Notation	[Appendix E] 1-35
	11	\int Notation	[5.2] 5, 7, 19, 29, 33-39, 43, 47-55, 63, 65, 69
	12	Riemann Sums	worksheet #12
	13	Quiz #5 on Riemann Sums	
	15	Antiderivatives	[4.9] 1-13, 21-25, 29, 31, 37, 41, 47-53, 59
13	18	Fundamental Theorem	[5.3] 19-29, 33, 43, 65
	19	---- SURCAS ----	
	20	Net Change	[5.4] 1, 5-11, 21, 25-33, 39, 49-61
	22	---- GOOD FRIDAY ----	
	25	Substitution	[5.5] 3, 9, 17, 27, 45, 51, 53, 61, 63, 71, 73, 81-85
14	26	Review	
	27	Test #4 on Integrals	
	29	Review	
5/4	Final Exam (2-4 pm)		