

Math 112 Homework Schedule -- Winter 2008

Week	Section Title	Section	Assigned Exercises	Due Date
Jan 5-9	Four Ways to Represent a Function	1.1	22, 31, 43, 55, 56, 57, 61, 64	7-Jan
	Mathematical Models	1.2	2, 4, 5, 7, 9, 12, 17	9-Jan
	New Functions from Old Functions	1.3	1, 7, 22, 28, 39, 46, 60, 65	12-Jan
Jan 12-16	Exponential Functions	1.5	11, 15, 19, 25, 29	14-Jan
	Inverse Functions and Logarithms	1.6	1, 2, 12, 16, 19, 25, 35, 54, 61, 67, 73	16-Jan
	Tangent & Velocity/Limit of a Function	2.1/2.2	p. 87: no problems; pp. 97-98: 6, 7, 9, 15, 19, 22, 27, 32	21-Jan
Jan 20-23	Calculating Limits	2.3	7, 8, 10, 15, 19, 20, 29	23-Jan
	Calculating Limits (cont.)	2.3	36, 37, 38, 39, 42, 55, 56, 58	26-Jan
Jan 26-30	The Precise Definition of a Limit	2.4	5, 7, 17, 19, 23, 24, 25, 31, 44	28-Jan
	Continuity	2.5	4, 6, 15, 18, 21, 24, 27, 31	30-Jan
	Continuity (cont.)	2.5	32, 36, 37, 39, 43(a,b), 45, 47, 49	2-Feb
	Exam 1 Review Exam 1		Jan 30-Feb 2, Late Day Feb 3	
Feb 2-6	Limits at Infinity and Asymptotes	2.6	4, 5, 7, 9, 13, 33, 43	4-Feb
	Derivatives and Rate of Change	2.7	3, 5, 9, 19, 20, 25, 46	6-Feb
	The Derivative as a Function	2.8	1, 3, 5, 6, 7, 9, 11, 19, 20, 25, 35, 36, 37, 38	9-Feb
Feb 9-13	Chapter 2 Review	Rev	p. 166 (T/F): 1, 5, 12, 17; pp. 167-168: 2, 7, 10, 13, 15, 23, 25, 29, 34, 35, 40, 48	11-Feb
	Deriv. of Polys and Exponentials	3.1	2, 13, 17, 20, 25, 28, 29, 33, 55, 61, 77	11-Feb
	The Product and Quotient Rules	3.2	2, 11, 23, 33, 47, 49, 55, 57	13-Feb
	Derivatives of Trig. Functions	3.3	9, 10, 18, 20, 35, 42, 45, 49	17-Feb
Feb 17-20	The Chain Rule	3.4	25, 37, 47, 63, 65, 71, 84, 89	18-Feb
	Implicit Differentiation	3.5	3, 11, 12, 15, 18, 21, 23, 34, 41, 57	20-Feb
	Derivatives of Log Functions	3.6	15, 17, 20, 24, 27, 33, 39, 51	23-Feb
Feb 23-27	Exponential Growth and Decay	3.8	14, 15	25-Feb
	Related Rates	3.9	33, 35, 37, 42	27-Feb
	Linear Approx./Basic Hyperbolic Fncts	3.10	1, 2, 3, 5, 33, 36, 38	2-Mar
	Exam 2 Review Exam 2		Feb 27-Mar 2, Late Day Mar 3	
Mar 2-6	Basic Hyperbolic Functions	3.11	3, 7, 9, 15, 23, 33	4-Mar
	Chapter 3 Review	Rev	p. 261 (T/F): 2, 5, 7, 11; pp. 262-263: 13, 15, 17, 28, 31, 54, 65, 69, 71, 78, 79, 80	4-Mar
	Maximum and Minimum Values	4.1	3, 7, 9, 10, 11, 13, 35, 40, 74, 76	6-Mar
	The Mean Value Theorem	4.2	1, 3, 4, 7, 13, 15, 19, 25, 29, 30, 35	9-Mar
Mar 9-13	Shape of a Graph	4.3	1, 6, 7, 21, 23, 25, 28, 31, 72	11-Mar
	Indet. Forms - L'Hospital's Rule	4.4	4, 7, 15, 33, 47, 57, 70, 71	13-Mar
	Curve Sketching	4.5	5, 12, 32, 47, 49	16-Mar
Mar 16-20	Optimization Problems	4.7	7, 14, 31, 35, 41, 47, 53, 66	18-Mar
	Newton's Method	4.8	1, 2, 3, 4, 29	20-Mar
	Antiderivatives	4.9	12, 15, 20, 27, 33, 49, 51, 53	23-Mar
Mar 23-27	Chapter 4 Review	Rev	pp. 347-348 (T/F): 1,6,10,13; pp. 348-350: 5,11,14,15,16,18,25,47,52,53,62,66,70	25-Mar
	Sigma Notation	Appdx E	1, 3, 5, 10, 11, 15, 17, 20, 23, 41, 43	27-Mar
	Areas & Distance/The Definite Integral	5.1/5.2	pp. 364-365: 1, 5, 15, 18, 21, 26; p. 376: 5(a,b), 6(a,b)	27-Mar
	The Definite Integral (cont.)	5.2	17, 18, 34, 37, 47, 49, 55	30-Mar
	Exam 3 Review Exam 3		Mar 27-30, Late Day Mar 31	
Mar 30-Apr 3	Fundamental Theorem of Calculus	5.3/Rev	pp. 387-388: 3, 9, 15; pp. 410-411: 44, 45, 47, 48, 68	1-Apr
	Fund. Theorem of Calculus (cont.)	5.3	22, 31, 36, 41, 43, 53, 57	3-Apr
	Indefinite Integrals and Net Change	5.4	4, 9, 23, 32, 43, 61, 65	6-Apr
Apr 6-10	The Substitution Rule	5.5	5, 8, 9, 18, 21, 25, 31, 38, 39,	8-Apr
	The Substitution Rule Review	5.5	47, 48, 53,73	10-Apr
Apr 13	Review			