

Math 112, sections 1-5
Homework Schedule
Winter 2013

Lecture Date	Section	Read this section before class	Paper Assignment	Section	Assigned Paper Exercises	Paper Due Date	Online Assignment	Online Due Date
7-Jan	1.1/1.2	Functions	HW 1	1.1 1.2	3, 12, 21, 46, 55, 72; 4, 8, 16	11-Jan	Intro 1.1-2	10-Jan 17-Jan
9-Jan	1.3	New Functions from Old Functions	HW 2	1.3	1, 7, 13, 21, 30, 33, 47, 55	14-Jan	1.3	17-Jan
11-Jan	Appx D	Trigonometry	HW 3	Appx D	24, 27, 37, 46, 53, 73, 79	16-Jan	Appx D	17-Jan
14-Jan	1.5	Exponential Functions	HW 4	1.5	3, 4, 11, 12, 19, 21, 23, 24, 25	18-Jan	1.5	17-Jan
16-Jan	1.6	Inverse Functions and Logarithms	HW 5	1.6	18, 48, 49, 71, 75	23-Jan	1.6	21-Jan
			Pretest runs from Jan 14-16 (late day Jan 17)					
18-Jan	2.1/2.2	Tangent & Velocity/Limits	HW 6	2.1 2.2	5, 7 6, 9, 16, 33, 34, 38a, 43, 46	25-Jan	2.1-2	22-Jan
23-Jan	2.3	Calculating Limits	HW 7	2.3	10, 17, 20, 21, 25, 26, 28	28-Jan	2.3	27-Jan
25-Jan	2.3	Calculating Limits (cont.)	HW 8	2.3	38, 39, 41, 44, 57, 58, 60	30-Jan	2.3b	29-Jan
28-Jan	2.4	The Precise Definition of a Limit	HW 9	2.4	1, 2, 7, 11, 13	1-Feb	2.4	31-Jan
30-Jan	2.5	Continuity	HW 10	2.5	4, 6, 7, 17, 20, 23, 25, 47ab, 62	4-Feb	2.5	3-Feb
1-Feb	2.5	Continuity (cont.)	HW 11	2.5	35, 36, 40, 41, 43, 45, 49, 53	6-Feb	2.5b	5-Feb
4-Feb	2.6	Limits at Infinity and Asymptotes	HW 12	2.6	4, 5, 7, 10, 13, 24, 35, 43, 50	8-Feb	2.6	7-Feb
6-Feb	2.7	Derivatives and Rate of Change	HW 13	2.7	3ab, 7, 12, 17, 18, 19, 21, 22, 33, 47, 48	11-Feb	2.7	10-Feb
8-Feb	2.8	The Derivative as a Function	HW 14	2.8	3, 5, 6, 11, 22, 27, 40, 46, And: Prove that if f is differentiable at a, then f is continuous at a.	13-Feb	2.8	12-Feb
11-Feb	Rev	Chapters 1 and 2 Review	HW 15	Ch1 Rev Ch2 Rev	(p. 73) 11, 17, 23, 25 (p. 167) 2, 33, 47, 48	15-Feb	Exam 1 Rev	14-Feb
			Exam 1 (Sections 1.1-2.8) Feb 12-13 (late day Feb 14)					
13-Feb	3.1	Deriv. of Polys and Exponentials	HW 16	3.1	4, 11, 16, 23, 26, 55, 61, 74, 77	19-Feb	3.1	18-Feb
15-Feb	3.2	The Product and Quotient Rules	HW 17	3.2	2, 11, 23, 24, 32, 42, 49, 51, 59	20-Feb	3.2	19-Feb
19-Feb	3.3	Derivatives of Trig. Functions	HW 18	3.3	9, 10, 18, 20, 35, 42, 45, 49	22-Feb	3.3	22-Feb
20-Feb	3.4	The Chain Rule	HW 19	3.4	12, 19, 25, 31, 41, 47, 63, 65, 92	25-Feb	3.4	24-Feb
22-Feb	3.5	Implicit Differentiation	HW 20	3.5	3, 15, 21, 25, 36, 53, 55, 63	27-Feb	3.5	26-Feb
25-Feb	3.6	Derivatives of Log Functions	HW 21	3.6	7, 16, 24, 27, 33, 40, 46, 47, 53	1-Mar	3.6	28-Feb
27-Feb	3.7	Rates of Change in Sciences	HW 22	3.7	5, 18, 23ab, 31, 33	4-Mar	3.7	3-Mar
1-Mar	3.9	Related Rates	HW 22	3.9	5, 22, 33, 35, 37, 42	6-Mar	3.9	5-Mar
4-Mar	4.1	Maximum and Minimum Values	HW 24	4.1	3, 7, 9, 10, 11, 13, 35, 38, 57, 60, 74, 76	8-Mar	4.1	7-Mar
6-Mar	4.2	The Mean Value Theorem	HW 25	4.2	7, 15, 17, 28, 29, 30, 35	11-Mar	4.2	10-Mar
8-Mar	Rev	Chapters 3 and 4.1-2 Review	HW 26	Ch3 Rev Ch4 Rev	(p. 265) 53 (p. 352) 5, 45	13-Mar	Exam 2 Rev	13-Mar
			Exam 2 (Sections 3.1-3.9, 4.1-4.2) Mar 11-12 (late day Mar 13)					
11-Mar	4.3	Shape of a Graph	HW 27	4.3	1, 6, 7, 21, 23, 25, 28, 32, 62, 74	15-Mar	4.3	14-Mar
13-Mar	4.4	Indet. Forms - L'Hospital's Rule	HW 28	4.4	4, 11, 17, 29, 33, 41, 50, 57	18-Mar	4.4	17-Mar
15-Mar	4.5	Curve Sketching	HW 29	4.5	5, 9, 10, 17, And turn in graphs from online homework	20-Mar	4.5	19-Mar
18-Mar	4.7	Optimization Problems	HW 30	4.7	7, 14, 20, 33, 57	22-Mar	4.7	21-Mar
20-Mar	4.7	Optimization Problems	HW 31	4.7	13, 19, 23, 32, 18, 28, 30, 67	25-Mar	4.7b	24-Mar
22-Mar	3.10/4.8	Linear Approx./Newton's Method	HW 32	3.10 4.8	1, 2, 3, 5, 23, 28, 43 1, 2, 3, 4, 29	27-Mar	3.10/4.8	26-Mar
25-Mar	4.9	Antiderivatives	HW 33	4.9	12, 15, 17, 27, 34, 41, 51, 53, 55, 69, 71	29-Mar	4.9	28-Mar
27-Mar	Appx E	Sigma Notation	HW 34	Appx E	5, 10, 13, 20, 23, 30, 35, 41cd, 43	1-Apr	Appx E	31-Mar
29-Mar	5.1/5.2	Areas & Distance/Definite Integral	HW 35	5.1 5.2	1a, 14, 21, 23 5ab, 17, 29, 71	3-Apr	5.1/5.2	2-Apr
1-Apr	5.2	The Definite Integral (cont.)	HW 36	5.2	33, 37, 43, 47, 49, 50, 51, 52, 59, 67	5-Apr	5.2b	4-Apr
3-Apr	Rev	Chapter 4 Review	HW 37	Ch4 Rev Ch5 Rev	(p. 352) 15, 18 (p. 418) 51	8-Apr	Exam 3 Rev	7-Apr
			Exam 3 (Sections 3.10, 4.3-5.2) Apr 4-5 (late day Apr 6)					
5-Apr	5.3	Fundamental Theorem of Calculus	HW 38	5.3	1, 3, 9, 12, 15, 55, 58, 62, 67	10-Apr	5.3	9-Apr
8-Apr	5.3	Fund. Theorem of Calculus (cont.)	HW 39	5.3	22, 29, 31, 43, 45, 63, 69, 70, 78	12-Apr	5.3b	11-Apr
10-Apr	5.4	Indefinite Integrals and Net Change	HW 40	5.4	9, 29, 35, 45, 51, 54, 56, 59, 61, 63	15-Apr	5.4	14-Apr
12-Apr	5.5	The Substitution Rule	HW 41	5.5	5, 9, 18, 25, 38, 47, 48, 59, 67, 70, 77, 87	17-Apr	5.5	16-Apr
15-Apr	Rev	Chapter 5 Review	HW 42	Ch5 Rev	(p. 418) 7, 12, 29, 44, 51, 57		Final Rev	16-Apr
17-Apr	Rev	Review for Final		Rev				
19-Apr		FINAL EXAM 3-6 pm		Location TBA				