

MATH 098-SPRING 2011

Week Dates	Section & Topic	Lecture & Homework Assignments	
Week 1 1/18 – 1/21	P.1: The Real Numbers and Their Properties	1	Pg. 17, ex. 82, 120, 126, 146
	P.2: Integer Exponents & Sci. Notation	2	Pg. 26, ex. 36, 68, 76
	P.3: Polynomials	3	Pg. 37, ex. 22, 30, 42, 62
Week 2 1/24- 1/28	P.4: Factoring Polynomials	4	Pg. 46, ex. 24, 30, 38, 56, 66, 105, 107
	P.5: Rational Expressions	5	Pg. 56, ex. 30, 35, 38, 70, 78, 88, 92
Week 3 1/31 – 2/4	P.6: Rational Exponents & Radicals	6	Pg. 69, ex. 28, 32, 44, 53, 60, 68, 92, 94, 102
	P.6: Rational Exponents & Radicals (cont.)	7	Pg. 69, ex. 28, 32, 44, 53, 60, 68, 92, 94, 102
	1.1: Linear Equations in One Variable	8	Pg. 92, ex. 37, 43, 55, 77, 79, 81
Week 4 2/7 – 2/11	L▶ REVIEW FOR EXAM #1	9	STUDY FOR EXAM #1
	L▶	MIDTERM EXAM I: WEDNESDAY ~ FEBRUARY 9, 2011	
	1.3 Complex Numbers	10	Pg. 115, ex. 14, 24, 30, 50
	1.4: Quadratic Equation	11	Pg. 128, ex. 31, 45, 63, 79
Week 5 2/14 – 2/18	1.4: Quadratic Equation (cont.)	12	Pg. 128, ex. 31, 45, 63, 79
	1.5: Solving Other Types of Equations	13	Pg. 142, ex. 13, 23, 31, 45, 51, 57, 67, 77
	1.5: Solving Other Types of Equations (cont.)	14	Pg. 142, ex. 13, 23, 31, 45, 51, 57, 67, 77
Week 6 2/21 – 2/25	1.6: Linear Inequalities	15	Pg. 155, ex. 28, 48, 56, 62, 76
	1.7: Equ. & Inequalities Involving Absolute Value	16	Pg.162, ex. 24, 30, 38, 40, 52, 56, 68
	2.1: The Coordinate Plane	17	Pg. 176, ex. 14, 18, 44, 57
Week 7 2/28 – 3/4	2.2: Graphs of Equations	18	Pg. 188, ex. 26, 36, 40, 42, 50, 60, 64
	2.3: Lines	19	Pg. 204, ex. 30, 34, 36, 38, 44, 54, 78, 81
	2.4: Relations and Functions	20	Pg. 224, ex. 32, 42, 66, 68
Week 8	L▶ REVIEW FOR EXAM #2	21	STUDY FOR EXAM #2
	L▶	MIDTERM EXAM II: WEDNESDAY ~ MARCH 9, 2011	

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3/7 – 3/11	2.5:	Properties of Functions	22	Pg. 236, ex. 12, 28, 30, 34, 38
	2.6:	A Library of Functions	23	Pg. 248, ex. 16, 22, 41
Week 9 3/14 – 3/18	L▶	SPRING RECESS: MARCH 13-19, 2011		
Week 10 3/21 – 3/25	2.7:	Transformations of Functions	24	Pg. 263, ex. 12, 16, 54, 68, 72
	3.1:	Quadratic Functions	25	Pg. 306, ex. 28, 44, 50, 56
	3.2:	Polynomial Functions	26	Pg. 323, ex. 20, 22, 40, 44, 62
Week 11 3/28 – 4/1	L▶	LAST DAY TO WITHDRAW FROM THIS COURSE		
	3.3:	Dividing Polynomials	27	Pg. 337, ex. 12, 16, 28, 32a, 36, 48
	3.6:	Rational Functions	28	Pg. 372, ex. 58, 61, 70, 74
	3.6:	Rational Functions (cont.)	29	Pg. 372, ex. 58, 61, 70, 74
Week 12 4/4 – 4/8	3.7:	Poly. & Rational Inequalities (polynomial)	30	Pg. 383, ex. 16, 22, 30, 46
	3.7:	Poly. & Rational Inequalities (rational)	31	Pg. 384, ex. 22, 34, 58, 70
	4.1:	Exponential Functions	32	Pg. 413, ex. 8, 10, 12, 16, 24, 34, 48
Week 13 4/11 – 4/15	L▶	REVIEW FOR EXAM #3	33	STUDY FOR EXAM #3
	L▶	MIDTERM EXAM III: WEDNESDAY ~ APRIL 13, 2010		
	4.2:	The Natural Exponential Functions	34	Pg. 425, ex. 24, 28, 34, 38
	4.3:	Logarithmic Functions	35	Pg. 440, ex. 10, 26, 36, 38, 46, 56, 70, 80, 98
Week 14 4/18 – 4/22	4.4:	Rules of Logarithms	36	Pg. 453, ex. 14, 20, 26, 32, 48, 50, 66, 68, 72
4/22	L▶	GOOD FRIDAY ~ NO CLASSES SCHEDULED		
Week 15 4/25 – 4/29	4.4:	Rules of Logarithms (cont.)	37	Pg. 453, ex. 14, 20, 26, 32, 48, 50, 66, 68, 72
	4.5:	Exponential and Logarithmic Equations and Inequalities	38	Pg. 467, ex. 18, 28, 34, 54, 60, 66 (do not use calc. For ex. 28, 34 – leave answer with a log)
	4.5:	Exponential and Logarithmic Equations and Inequalities (cont.)	39	Pg. 467, ex. 18, 28, 34, 54, 60, 66 (do not use calc. For ex. 28, 34 – leave answer with a log)
Week 16 5/2 – 5/4	5.1:	Systems of Linear Equ. in Two Variables	40	Pg 487, ex. 39, 41, 51, 53, 73

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	5.2:	Systems of Three Equ. in Three Variables	41	Pg. 501, ex. 31, 37
	L▶	REVIEW FOR FINAL EXAM	42	STUDY FOR FINAL EXAM
	L▶	TUE MAY 3 CLASSES FOLLOW A FRIDAY SCHEDULE		
	L▶	MAY 4 READING DAY		
Finals	FINAL EXAM WEEK: MAY 5-11, 2011			