

MATH 095 - BASIC ALGEBRA
SYLLABUS/ASSIGNMENT SHEET
Fall 2009

Text: Introductory Algebra, 9th Edition by Lial, Hornsby, McGinnis

Class	Date	Section	Topic	Homework Page & Problems (Odd Only)
1	8/27	1.1	• Exponents, Order of Operations, Inequality	35 9-19, 25-31, 37-43
		1.2	• Variables, Expressions, Equations	43 11-29, 33-43, 47-53, 59-65
		1.3	• Real Numbers, The Number Line	55 13-47
2	9/1	1.4	• Adding Real Numbers	63 5-33, 63-73
		1.5	• Subtracting Real Numbers	71 7-27, 35, 37, 45
		1.6	• Multiplying and Dividing Real Numbers	85 7-27, 33-41, 45-55
3	9/3	1.7	• Properties of Real Numbers	97 43-65
		1.8	• Simplifying Expressions	105 5-13, 37-57
4	9/8	2.1	• Addition Property of Equality	129 33-57
		2.2	• Multiplication Property of Equality	135 19-61
		2.3	• Solving Linear Equations	145 7-29, 33-59
5	9/10	2.4	• Applications of Linear Equations	161 7-9, 15-17, 23-25, 29-31, 37-39, 47-49, 55
		2.5	• Formulas and Applications from Geometry	173 13-25, 61-83
		2.7	• Solving Linear Inequalities	199 7-53
6	9/15		Review for Test 1	89 113 151 209 217 Review. No problems assigned!
			Test 1	
8	9/22	5.1	• Adding and Subtracting Polynomials	367 17-29, 63-71
		5.2	• Product and Power Rules for Exponents	377 25-35, 41-63, 77-87
9	9/24	5.3	• Multiplying Polynomials	383 7-19, 21-39
		5.4	• Special Products	389 3-13, 21-29
10	9/29	6.1	• Factors; Greatest Common Factor	439 29-45
		6.2	• Factoring Trinomials	445 11-43, 47-55
11	10/1	6.3	• Factoring Trinomials by Grouping	445 17-31
		6.4	• Factoring Trinomials Using FOIL	455 15-33
12	10/6	6.5	• Special Factoring Techniques	461 5-27
		6.6	• Solving Quadratic Equations by Factoring	473 17-43
13	10/8	6.7	• Applications of Quadratic Equations	481 23-27
14	10/13		Review for Test 2	423 463 491 Review. No problems assigned!
			Test 2	
15	10/15			

Class	Date	Section	Topic	Homework Page & Problems (Odd Only)	
16	10/20	5.5	• Integer Exponents, Quotient Rule	399	1-25
		5.6	• Dividing a Polynomial by a Monomial	405	7-19
		5.8	• Scientific Notation	417	1-31
17	10/22	7.1	• Fundamental Property of Rational Expressions	509	25-41
		7.2	• Multiplying and Dividing Rational Expressions	515	3-7, 15-19, 23-33, 37, 39
18	10/27	7.3	• Least Common Denominators	523	23-41
		7.4	• Adding and Subtracting Rational Expressions	531	9-19, 57-63
19	10/29	7.6	• Solving Equations with Rational Expressions	551	9-25
		2.6	• Ratio, Proportion, Percent	185	21-41
20	11/3		• <i>Last day for Student Withdrawal!</i> Review for Test 3	581	Review. No problems assigned!
21	11/5		Test 3		
22	11/10	3.1	• Reading Graphs, Linear Equations	229	27-43, 45-73
23	11/12	3.2	• Graphing Linear Equations	243	1-5, 9-21, 25-31
		3.3	• Slope of a Line	257	1-5, 17-27, 29-33
24	11/17	3.4	• Equations of Lines	269	9-11, 15, 21-25
		8.1	• Evaluating Roots	599	17-29, 43-53, 57-69, 75-93
25	11/19	8.2	• Multiplying, Dividing, Simplifying Radicals	609	13-27, 45-77
		8.3	• Adding and Subtracting Radicals	615	5-23
26	11/24	8.4	• Rationalizing the Denominator	621	1-19
		8.5	• More Simplifying & Operations with Radicals	627	5-27, 51-55
27	12/1		Review for Test 4	289 647	Review. No problems assigned!
			Test 4		
29	12/8		Review for Final Exam	401 653	Review. No problems assigned!
30	12/10		Final Exam		