

MATH 103 - INTERMEDIATE ALGEBRA
SYLLABUS/ASSIGNMENT SHEET
Fall 2011

Text: *Intermediate Algebra, 11th Edition* by Lial, Hornsby, McGinnis

Class	Date	Section	Topic	Homework Page and Problems (Odd Numbers Only)	
1	8/29	2.1 2.2 2.3	<ul style="list-style-type: none"> • Linear Equations in One Variable • Formulas • Applications of Linear Equations 	54 62 74	11-67 1-23 29-61 every other odd
2	9/12	2.5 2.6 2.7 3.1	<ul style="list-style-type: none"> • Linear Inequalities in One Variable • Set Operations and Compound Inequalities • Absolute Value Equations and Inequalities • The Rectangular Coordinate System 	99 108 118 143	9-39, 47-63 19-45 5-33, 37-103 every other odd 9, 13-31, 35-67
3	9/19	3.2 3.3 3.5 3.6	<ul style="list-style-type: none"> • The Slope of a Line • Linear Equations in Two Variables • Introduction to Functions • Function Notation 	155 169 187 194	3, 15-79 15-73 9-53 3-15, 23-31, 45
4	9/26		<ul style="list-style-type: none"> • Review for Test I • Test I 	127 202	Review. No problems assigned!
5	10/3	5.1 5.2 5.4 5.5 App B	<ul style="list-style-type: none"> • Integer Exponents and Scientific Notation • Adding and Subtracting Polynomials • Multiplying Polynomials • Dividing Polynomials • Synthetic Division 	274 282 299 306 726	9-125, 133-153 every other odd 13-85 every other odd 5-69, 75-83, 97, 101 every other 5-47 1-31
6	10/10	6.1 6.2 6.3 6.4 6.5	<ul style="list-style-type: none"> • GCF, Factoring by Grouping • Factoring Trinomials • Special Factoring • A General Approach to Factoring • Solving Equations by Factoring 	324 332 337 342 350	1-57 5-43 7-31, 37-55 1-61 every other odd 3-45
7	10/17		<ul style="list-style-type: none"> • Review for Test II • Test II 	311 356	Review. No problems assigned!
8	10/24	7.1 7.2 7.3	<ul style="list-style-type: none"> • Rat. Exps, Functions; Multiplying & Dividing • Adding and Subtracting Rational Expressions • Complex Fractions 	368 377 384	1-9, 25-45, 51-55, 61-85 7-39, 43-83 1-25

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9	10/31	7.4 7.5 4.1	<ul style="list-style-type: none"> • Equations with Rat. Expressions and Graphs • Applications of Rational Expressions • Systems of Linear Equations in Two Variables 	391 402 219	1-11, 15-47 9-19, 45-59 11-57
	11/1		<i>Last day to withdraw!</i>		
10	11/7		<ul style="list-style-type: none"> • Review for Test III • Test III 	420	Review. No problems assigned!
11	11/14	8.1 8.2 8.3 8.4	<ul style="list-style-type: none"> • Radical Expressions and Graphs • Rational Exponents • Simplifying Radical Expressions • Adding and Subtracting Radical Expressions 	433 441 450 456	1-37, 49-67 1-77 1-17, 21-91 every other odd 1-37
12	11/21	8.5 8.6 8.7	<ul style="list-style-type: none"> • Multiplying and Dividing Radical Expressions • Solving Equations with Radicals • Complex Numbers 	464 472 479	7-25, 43-59, 83-93 7-31, 37-47 1-71
13	11/28	9.1 9.2 9.5 10.2 10.3	<ul style="list-style-type: none"> • Square Root Property; Completing the Square • The Quadratic Formula • Graphs of Quadratic Functions • Exponential Functions • Logarithmic Functions 	502 510 537 585 592	55-69 5-37 3-35 5-9, 15-25 1-21, 29-41
14	12/5		<ul style="list-style-type: none"> • Review for Test IV • Test IV 	487 562	Review. No problems assigned!
15	12/12		<ul style="list-style-type: none"> • Review for Final Exam • Final Exam 		

revised 08/08/11