

**Math 092 TR**  
**Elementary and Intermediate Algebra**

**Text:** *Introductory and Intermediate Algebra for College Students*, third edition (custom edition for UL Lafayette), Blitzer, Prentice Hall, 2009

**Prerequisites:** Math 092 has prerequisite of an ACT sub-score in MATH of 17, placement by departmental examination, or appropriate transfer course work. If you do not have an appropriate prerequisite, your registration will be canceled.

**A scientific calculator is required.**

MyMathLab software is packaged with new text books. This software provides online practice problems and tutorials, as well as the ebook.

Lesson	Section and Topic	Assignment
1	Course overview and Review	Complete worksheet
2	1.8 Exponents and Order of Operations	p.93: 6,8,13,14,17,22,31,35,38,55,63,64,66,85,87,88,90,92,94
	2.1 Addition Property of Equality	p.114: 16,18,25,26,30,37,39,47,50,52,53,56,57,60,63,64,65,66,71,77,78,79,80,81
3	2.2 Multiplication Property of Equality	p. 122: 15,17,20,26,38,40,44,52,54,55,56,57,58,67,68,69
	2.3 Solving Linear Equations	p. 132: 5,23,32,36,37,43,45,47,49,59,61,65,66,73,74,77,78,82,99,101
4	2.4 Formulas and Percents	p. 143: 3,4,5,8,11,12,14,18,21,22,26,27,29,30,31,33,35,37,39,41,43,44 ,49,56,69, 70,71,73,74,75,83,86
	2.5 Introduction to Problem Solving	p. 156: 21,37,38,39,40,41,43,45,46,48,49,67,68
5	2.6 Problem Solving in Geometry	p. 167: 3,4,7,9,19,20,21,24,25,27,28,51,53,58,59,62,63,71
	2.7 Solving Linear Inequalities	p. 183: 1,5,9,11,13,15,18,19,21,23,29,31,36,37,42,47,52,59,62,68,72,75,78,105,106,109,112
	Mid-Chapter Check Point	p. 147: 1-10,12-15,18
6	Review	p.104: 92,94,96,98 p. 191: 4,5,11,12,13,18,19,22,25,26,27,28,29,31,32,34-42,47,48,53-56,59,62,64-68, 70,83,85,90 Chapter 1 Test: 7,10,11,12,13 Chapter 2 Test: 1-12,15,16,17,19,20,21,22,24,30,31.
	3.1 Graphing Equations in Two Variables	p. 208: 39,42,46,62,65,68,71,78,82,84,86,93,99,121
7	Test 1	Sections 1.8,2.1 - 2.7
8	3.2 Graphing Linear Equations Using Intercepts	p. 218: 1,4,6,7,8,10,13,27,30,38,39,41,44,48,51,54,59,71,72,73,74,75,78,79,84,85,86,99,100
	3.3 Slope	p. 228: 4,5,7,9,12,13,16,17,18,20,21,37,45,46,48,49,57,58,59,75,76
9	3.4 Slope-Intercept Form of Equations	p. 236 : 4,10,29,30,34,35,38,39,42,44,45,47,57,58,59,65,66,70,72,73
	3.5 Point-Slope Form of Equations	p. 246: 1,4,5,13,14,15,19,25,31,35,41,69,70,71,91 (Write all equations of lines in only, except vertical lines.)
	Mid-Chapter Check Point	p. 238: 1 - 16,20
10	4.1 Solving Systems by Graphing	p. 268: 2,6,18,22,26,30,45,47,51
	4.2 Solving Systems using Substitution	p. 277: 2,11,17,41,42,50,51,61
11	4.3 Solving Systems using Addition	p. 285: 3,8,16,19,29,31,34,45,56,65,66,86,87
	Mid-Chapter Check Point	p. 287: 1,2,4 - 7,9,11
	4.4 Problem Solving	p. 300: 7,8,10,11,12,17,52,53,62
12	Review	p. 253: 9,10,13,21,22-29,33,36,37,41,42,44,45,46,49 (Write all equations of lines in only, except vertical lines.) p. 319: 7,15,29,36,37,40,43,47 Chapter 3 Test: 2-8,11- 16,19 Chapter 4 Test: 1,2,4,7,9,10,13
	5.1 Adding and Subtracting Polynomials	p. 329: 2,12,15,23,27,33,40,61,65,74,82,95,99,100,103,105,114,116,128,129,130
13	Test 2	Sections 3.1 - 3.5,4.1 - 4.4

Lesson	Section and Topic	Assignment
14	5.2 Multiplying Polynomials	p. 339: 3,5,9,11,17,19,21,27,29,31,36,41,47,50,52,57,58,64,65,69,72,80,87,93,96,98,99,101,102,103,104,105,106,111,117-120
	5.3 Special Products	p. 347: 25,27,29,31,33,37,41,45,47,53,57,64,66,68,73,76,83,85,87,91,92,97,98,99,112,113,114,115,118
15	5.5 Dividing Polynomials	p. 364: 1,7,13,19,21,25,33,42,43,48,56,63,64,68,71,74,79,83,89,91,95
	5.7 Negative Exponents and Scientific Notation	p. 388: 9,12,15,25,27,31,33,47,58,61,71,75,81,87,93,99,107,109,115,121,140,141,143,145,149,150,176,181
	Mid-Chapter Check Point	p. 357: 1 - 10,12,14,15,17,19,21
	6.1 Greatest Common Factor and Factoring by Grouping	p. 407: 13,20,25,30,33,39,41,49,53,56,57,58,61,66,68,71,72,76,89,90,103,115 in slope-intercept form
16	6.2 Factoring Trinomials	p. 416: 1,11,16,20,25,33,37,40,46,52,53,59,64,75,76,77,78
	6.3 Factoring Trinomials	p. 423: 7,16,33,44,48,53,63,66,70,74,89,117
	6.4 Factoring Special Forms	p. 432: 3,5,7,8,13,23,26,32,33,36,43,45,48,51,54,57,62,66,67,99,101,127,129
17	6.5 A General Factoring Strategy	p. 440: 1,3,12,16,19,22,32,35,36,49,50,56,59,107,108,109,118,132
	6.6 Solving Quadratic Equations by Factoring	p. 450: 1,5,11,13,14,21,24,30,34,38,43,44,49,57,59,61,70,71,72,73,81,83,85,86,87,89,90,95,96,97,98,117
	Mid - Chapter Check Point	p. 425: 1 - 9,11
18	Review	p. 396: 1,2,3,6,8,25,27,32,34,37,40,44,45,59,60,61,65,67,79,85,87,98,99,101,102,103 p. 457: 49,51,52,54,55,57,59,80,86,87,89,91,93 Chapter 5 Test: 1,2,3,5-11,14-17,20-32 Chapter 6 Test: 1 - 8,10 - 16,18,19,21 - 29 Cumulative Review p.381: 1 - 7,10 - 12,slope-intercept form for 13,14,15,17,18,20
19	Test 3	Sections 5.1 - 5.3,5.5,5.7,6.1 - 6.6
20	7.1 Rational Expressions and Their Simplifications	p. 469: 3,6,9,10,13,14,15,16,20,26,27,33,34,42,45,48,54,55,58,63,67,87,88,89,90,91,93,103,104,105,117,118
	7.2 Multiplying and Dividing Rational Expressions	p. 477: 1,7,11,15,16,20,23,24,26,33,43,44,45,46,50,52,53,56,59,64,65,78,88,89,95,99
21	7.3 Adding and Subtracting Rational Expressions	p. 485: 5,13,24,36,65,67,68,73,74,75,90,92,103
	7.4 Adding and Subtracting Rational Expressions	p. 494: 19,21,23,26,29,35,38,40,43,47,49,66,68,71,72,85,86,93,94,97,98,101,122,125
22	Mid-Chapter Check Point	p. 497: 1 - 9,11 - 16,18,19,20
	7.6 Solving Rational Equations	p. 513: 3,9,18,30,31,32,41,44,48,49,51,52,57,62,64,65,69,70,75,77,78,79,87
23	7.7 Applications using Rational Equations	p. 525: 17,19,22,23,24,25,28,31,49,50,51,57
	8.1 Introduction to Functions	p. 558: Do parts a,b,and c only for 9 - 16,17abcf,19,20 Handout of page 569: 9-18
24	9.1 Interval Notation and Applications	p. 614: 1,4,9,10,14,17,18,24,27,37,45-52
	9.2 Compound Inequalities	p. 623: 1,2,3,7,10,12,13,17,25,28,29,30,31,32,33,35,39,40,45,46,47,49,55,56,79,80
25	Review	p. 540: 1 - 4,6,7,10,11,16,19,22,23,26,33,36,41,42,50,51,54,58,68,70 p. 600: 4abc,5abcd,15,16,17,20b p. 655: 3,5,6,7,8,9,10,17,18,19,20,22,23,26,27 Chapter 7 Test: 1 - 7,9,10,13,19,20,25,26 Chapter 8 Test: 4,7 Chapter 9 Test: 1,4-10
26	Test 4	Sections 7.1 - 7.4,7.6,8.1,9.1,9.2
27	<b>Review for Final</b>	

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