

COURSE: COLLEGE ALGEBRA (MATH-1200)
 TEXTBOOK: Intermediate Algebra (9th Ed.) -- by Lial, Hornsby and McGinnis

PUBLISHER'S RESOURCES:

- **Included free with the purchase of a New Textbook:**
- (1) Student's Solutions Manual – Provides detailed solutions to the odd- numbered section exercises and to all Margin, Relating Concepts, Summary, Chapter Review, Chapter Test, and Cumulative Review exercises.
- (2) "MY MATH LAB" – Provides online video lectures, interactive computer instruction, and more.
- (3) "MY MATH LAB ACCESS KIT" which includes a code, and a user's guide for registering online; you will also need the course ID (ccri21904) and the zip code (02886).
- (4) Help from mathematics instructors via toll-free telephone, fax, e-mail or the Internet from The Tutor Center.
- (5) Videos on CD-ROM
- **With a used textbook, students may purchase separately:**
- (1) Student's Solutions Manual, (2) "MY MATH LAB"

MATH LAB RESOURCES:

- **While working in the Math Lab all students have access to:**
- (1) Student's Solutions Manual, (2) "MY MATH LAB" with video and computer instruction, (3) Individual Instruction from mathematics instructors.

- **NOTE(1):** Step-by-step solutions to all required highlighted Chapter-Review Exercises and Chapter-Test Exercises, as indicated below, must be kept in a notebook. YOUR NOTEBOOK SHALL BE AVAILABLE FOR REVIEW BY YOUR INSTRUCTOR BEFORE AND AFTER EACH TEST. You must bring this with you when you take a test. Do not take a test until you are able to at least do the Chapter-Review and Chapter-Test Exercises (as indicated below) without relying on sample problems and/or answers in the back of the book.
- NOTE(2):** **EACH TEST WILL INCLUDE SOME PROBLEMS BASED ON PREVIOUS CHAPTERS.**
- NOTE(3):** A non-graphing, non-programmable scientific calculator supplied by the Math Lab may be used when testing; for some questions exact answers (not calculator approximations) are required.
- NOTE(4):** All margin exercises should be completed as needed, and all exercises at the end of each section that are listed below should be done.
- NOTE(5):** TO BE ABLE TO FINISH YOUR COURSE ON TIME, YOU SHOULD COMPLETE THE REQUIRED MATERIAL FOR A TEST AND PASS EACH TEST BEFORE EACH GUIDELINE (NOT DEADLINE) DATE INDICATED.
- NOTE(6):** It is your responsibility to check the Math Lab bulletin board and hand in an attendance slip each time you attend the Lab (including testing).

2010	TITLE	SECTION VIDEOS	READ PAGES	DO HOMEWORK EXERCISES AT THE END OF EACH SECTION / CHAPTER
TEST 1 Should be taken during the week of Sep. 20	Basic Concepts [Omit pg. 10.]	1.1	1 - 16	1,5,7,9,11,13,15,19,27,33,43,51,59,65,71,79,81
	Linear Inequalities in One Variable	NOTE → 3.1	128,129,137	1,3,5,10 (See instructor for answer.)
	Operations on Real Numbers	1.2	17-28	Odds as needed.
	Exponents and Roots, Order of Operations	1.3	29-38	1,3,7,11,17,25,29,33,45,47,51,53,71,83
	Properties of Real Numbers	1.4	39-46	1,3,5,7,9,13,15,21,27,41,43,45,47,51, 53
	**Chapter 1 Summary/Review Exercises		47-54	1,6,7,11,15,26,28,40,48,50,63,68,69,72,80,81,89,90
	**Chapter 1 Test		55-58	All
TEST 2 Should be taken before or during the week of Oct. 4	Linear Equations in one Variable [Omit pg. 60.]	2.1	59-72	1,7,17,31,33,39,47,53,59,63,65,67,69,73
	Formulas	2.2	73-84	1,2,3,4,5,6,7,11,13,15,17,21,23,33,35,37
	Applications of Linear Equations	2.3	85-98	1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,35,41,43,45,47,49,51,53
	Further Applications of Linear Equations	2.4	99-108	5,7,9,19,21,27,33,35,37,39
			109,110	1,5,9,17
	**Chapter 2 Summary/Review Exercises		111-120	3,4,8,11,14,15,16,25,29,33,35,42,44,46
	**Chapter 2 Test		121-124	1-12
			125,126	As needed.
	Linear Inequalities in one Variable	3.1	127-142	1,3,5,7,13,19,21,23,25,35,39,43,45,49
	Set Operations & Compound Inequalities; [Study Cards]	3.2	143-156	1,5,7,11,15,17,25,27,35,39,45,49,55,57
Absolute Value Equations and Inequalities	3.3	157-168	1,3,15,27,31,39,55,57,71,73,79	
		169,170	Odds as needed.	
	**Chapter 3 Summary/Review Exercises		171-180	3,7,13,15,19,21,23,25,33,37,39,40,50
	**Chapter 3 Test		181,182	All
			See NOTE (2).	
TEST 3 Should be taken before or during the week of Oct. 18	An Introduction to Functions	4.5	237-245	Read only – not included on Test 3.
	Integer Exponents [Omit Scientific Notation.]	6.1	[Skip 246-326.] 327-335	
			[Skip 336-338.]	
	Adding and Subtracting Polynomials	6.1	339-344	1,3,5,13, 19,29,37,45,47,51,65,79,81,97,99,103,105,107
	Polynomial Functions	6.2	345-350	5,13,17,21,25,35,37,41,47,51,53,55
	Multiplying Polynomials	6.3	351-358	1,7,9,23,29,31,33
	Dividing Polynomials	6.4	359-368	1,7,9,11,13,21,27,29,33,35,43,49,57,61,91
		6.5	369-374	1,7,9,15,19,21,27,31
	** Chapter 6 Summary/Review Exercises		375-382	5,9,10,11,12,17,19,20,21,37,41,44, 47,48, 51,53,55,57, 59,60,71
	** Chapter 6 Test		383,384	All except 6,7,8b,8d,19,20
			385,386	As needed.
	Factoring			
	Greatest Common Factors; Factoring by Grouping	7.1	387-394	1,5,7,17,31,41,45,47
	Factoring Trinomials [Omit Obj. 2 and Ex. 5 on pg. 397.]	7.2	395-402	1,3,5,15,21,27,29,39,45,55
	Special Factoring	7.3	403-408	1,3,7,9,11,15,23,35,37,39,41,49
A General Approach to Factoring	7.4	409-412	Odds as needed	
Solving Equations by Factoring	7.5	413-422	1,3,11,19,21,25,31,33,39,41,43,49,51	
**Chapter 7 Summary/Review Exercises		423-426	1,3,5,7,11,14,15,17,21,22,27,31,32,35,37,39,41,44,45,46	
**Chapter 7 Test		427,428	All	
		See NOTE (2).		

2010	TITLE	SECTION VIDEOS	PAGES	HOMEWORK EXERCISES AT THE END OF EACH SECTION / CHAPTER
TEST 4 Should be taken before or during the week of Nov. 1	Rational Expressions & Functions; Mult. and Div.	8.1	431-444	1,7,9,11,15,17,21,23,25,27,31,37,45,49,57,61,69,73
	Adding and Subtracting Rational Expressions	8.2	445-454	1,9,13,15,17,21,29,31,33,39,41,43,49,57,59
	Complex Fractions	8.3	455-460	5,7,9,13,15,17,19,27,31
	Equations with Rational Expressions and Graphs	8.4	461-468 469,470	1,5,9,11,13,17,23,25,27,37 Odd as needed.
	Appl. of Rational Expressions [Omit Ex. 7 & Ex. 8.]	8.5	471-484 [Skip 485-494.]	1,3,5,7,9,11,13,15,19,23,33,35,37,39,41,43,45
	**Chapter 8 Summary/ Review Exercises		495-502	3,5,6,7,10,11,12,14,17,18,19,22,27,28,29,32,33,40,43,48,50
	**Chapter 8 Test		503,504 505,506	All, except 17,19,21 and 22. As needed, but omit 6-15,21.
	Radical Expressions and Graphs	9.1	507-516	1,3,17,23,35,39,41,43
	Rational Exponents	9.2	517-526	1,7,9,13,17,21,23,25,29,35,39,41,49,53 59,61,69,77,79,81,83,87,91
	Simplifying Radical Expressions	9.3	527-540	1,5,9,15,19,23,33,37,39,45,47,53,67,77,81,87,93,99
Adding and Subtracting Radical Expressions	9.4	541-544	1,2b,3,7, 9,13,17,25,29,39,43	
Multiplying and Dividing Radical Expressions	9.5	545-554	3,5,9,11,17,21,25,27,35,39,41,43,49,51,57,63,71,75,77,83	
**Summary Exercises on Operations with Radicals & Rational Exponents		555-556	As needed, but omit 28.	
Solving Equations with Radicals	9.6	557-564 [Skip 565-574.]	1,3,11,15,21,25,27,31,33,35,51,55,63,65	
**Chapter 9 Summary/Review Exercises		575-582	1,3,5,11,13,16,19,25,29,30,34,38,45,49,51,54,55,58,67,70,72,73,76,79,97,113	
**Chapter 9 Test		583,584	All, except 25,26,27,28.	
			See NOTE (2).	
TEST 5 Should be taken before or during the week of Nov. 15	The Rectangular Coordinate System	4.1	187-198	1,3,5,7,9,11,13,19,21,25,31,35,37,39,41,43,45,47,49
	Slope of a Line	4.2	199-212	1,3,5,11,13,17,19,21,23,25,27,31,33,37,41,43,45,47,51,55
	Linear Equations in Two Variables	4.3	213-226 227,228	1,3,5,7,9,11,13,15,19,23,27,29,33,35,37,39,47,49,51,53,55,57,61 Odds as needed.
	Linear Inequalities in Two Variables	4.4	229-236 [Skip 237-252.]	1,3,7,9,11,13,17,19,23,25,27,29,33
	**Chapter 4 Summary/Review Exercises		253-260	1,3,5,7,9,11,13,15,17,19,20,21,22,24,25,26,33,34,35
	**Chapter 4 Test		261,262 265,266	All, except 12,13,14. As needed, but omit 38.
	The Square Root Property and Completing the Square [Omit Example 7 and side problem 10 on pg. 596.]	10.1	589-600 [Skip 267-588.]	1,3,5,7,11,15,21,23,25,30,31,35,41,47, optional: 67-72
	The Quadratic Formula [Omit Ex. 3 on pg. 604.]	10.2	601-603 [Skip 604-606.]	
	Equations Quadratic in Form [Omit Ex. 2, 3, 5c, 7b side problems 2, 3, 5c, 7b.]	10.3	607,608 609-620 621,622	1,3,7,13,15 1,3,5,7,9,11,13,15,31,37,39,47,51,59 Odds as needed.
	Formulas and Further Applications [Omit Ex.6 and side problem 6.]	10.4	623-630 [Skip 631-654.]	1,3,5,7,11,13,19,21,27,29,31,33
Polynomial and Rational Inequalities [Omit Ex. 5, 6 and side problems 7,8.]	10.7	655-664 665-667	1,5,7,9,11,13,19,21,25,27 As needed, but omit 10.5 and 10.6.	
**Chapter 10 Summary/Review Exercises		668-672	1,3,5,7,9,10,11,19,27,28,29,30,31,32,44,45,46,50, 54,55	
**Chapter 10 Test		673-676	1,2,3,4,6,9,10,11,12,13,16,17	
			See NOTE (2).	
TEST 6 Should be taken before or during the week of Nov. 29	Introduction to Functions	4.5	247-252	1,3,4,5,7,11,13,14,15,17,19,21,25,27,35,37,43,49,51,55
	**Chapter 4 Summary/Review Exercises		253-260	33,36,37,38,39,40,41,42,43,45,46,47,49,50
	**Chapter 4 Test		261,262 265,266	12-14 As needed.
	Systems of Linear Equations in Two Variables	5.1	267-282	1,3,5,7,9,11,17,23,29,33,35,37,41,45,47,51,53,55,61,63,65
	Systems of Linear Equations in Three Variables	5.2	283-292	1,3,7,9,11,13,15,21,25,27,29,33
	Applications of Systems of Linear Equations [Omit Ex. 6, and side problems 6 and 7.]	5.3	293-306 [Skip 307-314.]	1,3,5,7,11,13,15,17,21,23,25,27,29
	**Chapter 5 Summary/Review Exercises		315-322	1,5,7,11,13,14,15,16,17,18,20,22,32,36,38
	**Chapter 5 Test		323,324 325,326	All, except 5,6,12,17,18 As needed.
	Graphs of Quadratic Functions	10.5	631-642 [Skip 327-630.]	1,3,5,7,9,11,13,15,19,21,23,25,27,31
	More About Parabolas [Omit Ex 5, 6, 8, 9 and side problems 5, 6, 8, 9, 10.]	10.6	643-654 [Skip 655-670.]	11,13,15
**Chapter 10 Review Exercises		671,672	33,34,35,37,38,42,43,51	
Logarithmic Functions	11.3	697-704 [Skip 673-696.]	1,3,5,7,9,11,13,17,21,23	
Properties of Logarithms	11.4	705-712	1,3,5,7,9,11,13,15,17,19,21,23,25,27,29, 41	
Common Logarithms	11.5	713 [Skip 714-734.]	Side problem 1	
<i>NOTE (10): Ask your instructor for the handout on "Antilogarithms" (1200-Test 6).</i>				
**Chapter 11 Review Exercises		735	20,21,22,23,24,25,26,27,28	
			See NOTE (2).	