

# Math 90 Intermediate Algebra Topic List

Section	Lecture	HW page	Suggested Problems	Worksheet
	<b>Introduction, Class Policy, Grading System, etc.</b>			
	<b>Chapter 13 (Detailed review of the following sections)</b>			
13.1	Introduction to Factoring p. 938	p. 945	1-53 odd	13.1 p. 405
13.2	Factoring Trinomials of the form $x^2 + bx + c$ p. 947	p. 953	1-67 odd	13.2 p. 409
13.3	Factoring Trinomials of the form $ax^2 + bx + c$ FOIL Method p. 957	p. 963	1-77 odd	13.3 p. 413
13.4	Factoring Trinomials of the form $ax^2 + bx + c$ ac-Method p. 966	p. 968	1-95 odd	13.4 p. 417
13.5	Factoring Trinomial Squares and Difference of Squares p. 972	p. 978	1-89 odd	13.5 p. 421
13.6	Factoring: A General Strategy p. 982	p. 986	1-79 odd	13.6 p. 425
13.7	Solving Quadratic Equations by Factoring p. 990	p. 996	1-67 odd	13.7 p. 429
13.8	Applications of Quadratic Equations p. 999	p. 1006	1-53 odd	13.8 p. 435
	<b>Chapter 14</b>			
14.1	Multiplying and Simplifying Rational Expressions p. 1018	p. 1025	1-65 odd	14.1 p. 439
14.2	Division and Reciprocals p. 1029	p. 1032	1-35 odd	14.2 p. 445
14.6	Solving Rational Equations p. 1054	p. 1060	1-49 odd	14.6 p. 461
14.7	Applications Using Rational Equations and Proportions p. 1064	p. 10.73	1-55 odd	14.7 p. 467
	<b>Chapter 16</b>			
16.1	Introduction to Radical Expressions p. 1154	p. 1159	1-65 odd	16.1 p. 505
16.2	Multiplying and Simplifying with Radical Expressions p. 1162	p. 1166	1-85 odd	16.2 p. 509
16.3	Quotients Involving Radical Expressions p. 1170	p. 1174	1-79 odd	16.3 p. 513
16.4	Addition, Subtraction, and More Multiplication p. 1178	p. 1182	1-51 odd	16.4 p. 519
16.6	Applications with Right Triangles p. 1195	p. 1199	1-27 odd	16.6 p. 527
	<b>Chapter 17</b>			
17.1	Introduction to Quadratic Equations p. 1208	p. 1215	1-61 odd	17.1 p. 531
17.2	Solving Quadratic Equations by Completing the Square p. 1218	p. 1223	1-57 odd	17.2 p. 537
17.3	The Quadratic Formula p. 1226	p. 1231	1-41 odd	17.3 p. 541
17.5	Applications and Problem Solving (Practical Problems) p. 1239	p. 1243	1-25 odd	17.5 p. 551
17.6	Graphs of Quadratic Equations p. 1247	p. 1252	1-35 odd	17.6 p. 555
	Final Exam Review			
	Departmental Final Exam			
	<b>Additional Optional Objectives:</b>			
App. J	Higher Roots and Rational Numbers as Exponents p.1324	p. 1331	1-69 odd	
App. K	Graphing Quadratic Inequalities Objective B p. 1335	p. 1337	19-33 odd	
17.7	Functions p. 1255	p. 1262	1-53 odd	17.7 p. 561
App. N	Applying Reasoning Skills p. 1351	p. 1355	1-15 odd	
App. P	THEA Practice Test p.1361	p. 1361	1-46 all	
App. Q	THEA Test Mathematical Skills p. 1369			
<b>IMPORTANT DATES</b>				
<i>September 7th : College Closed (Labor Day)</i>				
<i>September 16th: Census Date</i>				
<i>November 20th : Last Day to Withdraw</i>				
<i>November 26-29 : College Closed (Thanksgiving)</i>				
<i>Dec 14 - 19 : Finals</i>				