

# Math 40 - Intermediate Algebra - Tentative Schedule

## Section 1735 - Spring '09

week	Saturday - Tuesday Topics	Homework due by 7pm Tuesday	Wednesday - Saturday Topics	Homework due by 7pm Friday
1: Jan. 26 - Feb. 1	R.2 Sets and Classification of Numbers R.3 Operations on Signed Numbers; Properties of Real Numbers R.4 Order of Operations R.5 Algebraic Expression	Chapter R	1.1 Linear Equations 1.2 Problem Solving 1.3 Using Formulas to Solve Problems	1.1, 1.2, 1.3
2: Feb. 2 - Feb. 8	1.4 Linear Inequalities 1.5 Compound Inequalities 1.6 Absolute Value Equations and Inequalities	1.4, 1.5, 1.6	2.1 Graphs of Equations 2.2 Relations 2.3 Introduction to Functions	2.1, 2.2, 2.3
3: Feb. 9 - Feb. 15	<b>Exam # 1: Sections 1.1 - 2.3 due by Tuesday, 2/10</b>		3.2 Slope and Equations of Lines 3.3 Parallel and Perpendicular Lines	3.2, 3.3
	3.1 Linear Functions	3.1		
4: Feb. 16 - Feb. 22	Washington's Birthday Holiday	3.4 Linear Inequalities in Two Variables.	3.5 Linear Models 4.1 Systems of Linear Equations in Two Variables 4.2 Problem Solving with 2X2 Linear Systems	3.5, 4.1, 4.2
5: Feb.23 - Mar. 1	4.3 3X3 Linear Systems 4.4 Using Matrices to Solve Systems	4.3, 4.4	4.6 Systems of Linear Inequalities	4.6
6: Mar. 2 - Mar. 8	<b>Exam #2: Sections 3.1 - 4.4, 4.6 due by Tuesday, 3/3</b>		5.3 Dividing Polynomials 5.4 and 5.5 Factoring Trinomials	5.3, 5.4, 5.5
	5.1 and 5.2 Adding, subtracting and multiplying polynomials	5.1, 5.2		
7: Mar. 9 - Mar. 15	5.6 Factoring Special Products 5.7 Factoring: A General Strategy	5.6, 5.7	5.8 Polynomial Equations	5.8 and Chapter 5 Review
8: Mar. 16 - Mar. 22	<b>Exam #3: chapter 5, due by Tuesday, 3/18</b>		8.2 Solving Quadratic Functions by the Quadratic Formula 8.3 Solving Equations Quadratic in Form	8.2, 8.3
	8.1 Solving Quadratic Functions by Completing the Square	8.1		
9: Mar. 23 - Mar. 29	8.4 Graphing Quadratic Functions Using Transformations 8.5 Graphing Quadratic Functions Using Properties	8.4, 8.5	8.6 Quadratic Inequalities Maybe look at 5.8 again?	8.6 and Chapter 8 review
10: Mar. 30 - Apr. 5	<b>Exam #4: Chapter 8, due by Tuesday, 3/31</b>		6.3 Complex Rational Expressions 6.4 Rational Equations 6.6 Models Involving Rational Expressions.	6.3, 6.4, 6.6
	6.1 and 6.2 Multiplying, Dividing, Adding and Subtracting Rational Expressions	6.1, 6.2		
Spring Break				
11: Apr.13 - Apr. 19	<b>Exam #5: Chapter 6, due by Tuesday, 4/14</b>		7.2 Simplify Expressions Using the Laws of Exponents 7.3 Simplifying Radical Equations	7.2, 7.3
	7.1 nth Roots and Rational Exponents	7.1		
12: Apr. 20 - Apr. 26	7.4 Adding, Subtracting and Multiplying Radical Expressions 7.5 Rationalizing Radical Expressions	7.4, 7.5	7.6 Functions Involving Radicals 7.7 Radical Equations and Their Applications	7.6, 7.7
13: Apr. 27 - May 3	<b>Exam #6: Chapter 7, due by Tuesday, 4/28</b>		9.1 Composite Functions and Inverse Functions	9.1
	Review			
14: May 4 - May 10	9.2 Exponential Functions	9.2	9.3 Logarithmic Functions	9.3
15: May 11 - May 17	<b>Exam #7: Chapter 9 due by Tuesday, 5/12</b>		Review	Review
16: May 18 - May 22	<b>final exam due by Tuesday, 5/19</b>			