

Intermediate Algebra - Math 0310.418
Mondays, 6:30-9:25 p.m., Spring 2010
Mrs. Barbara Ettredge, Instructor
Tentative Calendar

<i>Date</i>	<i>Section - Topic</i>	<i>Homework Assignment</i>
January 18	SCHOOL HOLIDAY	
January 25	Course Syllabus Section 6.1 - Greatest Common Factor Section 6.2 - Factoring by Grouping Section 6.3 - Factoring Trinomials of the Form $x^2 + bx + c$ Section 6.4 - Factoring Trinomials of the Form $ax^2 + bx + c$	p. 375 - 1, 2; 6-42 x3 p. 380 - 3-24 x3; 25, 26 p. 387 - 1, 2; 3-54 x3 p. 393 - 3-51 x3; 53
February 1	Section 6.5 - Factoring Special Cases Appendix A.4 - Sum & Difference of Cubes Section 6.6 - Review of Factoring	p. 400 - 3-48 x3; 54-72 x3 p. A36 - 33-51 x3 p. 404 - 3-36 x3; 37-42
February 8	Section 6.7 - Solving Quadratic Equations by Factoring EXAM #1 - Chapter 6	p. 412 - 3-24 x3; 31-34, 35 <i>Review - pages 417-420 (not required)</i>
February 15	Section 7.1 - Simplifying Rational Expressions Section 7.2 - Multiplying and Dividing Rational Expressions	p. 428 - 3-30 x3 p. 433 - 3-21 x3
February 22	Section 7.3 - Adding and Subtracting Rational Expressions Section 7.4 - Simplifying Complex Rational Expressions	p. 440 - 3-48 x3 p. 448 - 3-18 x3; 21, 22
March 1	Section 7.5 - Solving Rational Equations Section 7.6 - Ratio, Proportion, and Other Application Problems	p. 453 - 3-30 x3; 31, 32 p. 460 - 1-12; 17-24; 28, 33, 37
March 8	EXAM #2 - Chapter 7 Section 8.1 - Rational Exponents Section 8.2 - Radical Expressions and Functions	<i>Review - pages 467-470 (not required)</i> p. 478 - 5-70 x5 p. 487 - 5-85 x5
March 15	SPRING BREAK	
March 22	Section 8.3 - Simplifying, Adding, and Subtracting Radicals Section 8.4 - Multiplying and Dividing Radicals	p. 492 - 5-55 x5 p. 501 - 5-70 x5
March 29	Section 8.5 - Radical Equations Section 8.6 - Complex Numbers	p. 509 - 5-35 x5 p. 517 - 5-80 x5
April 5	Section 8.7 - Variation EXAM #3 - Chapter 8	p. 524 - 5, 8, 9, 13, 17, 18 <i>Review - pages 531-534 (not required)</i>
April 12	Section 9.1 - Square Root Property; Completing the Square Section 9.2 - Quadratic Formula	p. 544 - 5-30 x5; 35-38; 43, 47, 48 p. 553 - 5-40 x5; 41, 42, 45
April 19	Section 9.4 - Applications; Pythagorean Theorem only Section 9.5 - Quadratic Functions; Graphing	p. 571 - 23-38 p. 5-20 x5; 37, 38
April 26	Section 9.6 - Linear & Compound Inequalities (no quadratics) Section 9.7 - Absolute Value Equations & Inequalities	p. 591 - 5-20 x5; 21-26; 30, 35, 40, 44 p. 602 - 5-60 x5
May 3	EXAM #4 - Chapter 9 Review for final exam	<i>Review - pages 610-614 (not required)</i> <i>Review for final exam on next page</i>
May 10	COMPREHENSIVE FINAL EXAM	

FINAL EXAM REVIEW MATERIAL:

Algebra Vocabulary		
Chapter Tests		
Chapter 6	page 421	1-25
Appendix A.4	pages A36-A37	35-50 x5
Chapter 7	page 471	1-21
Chapter 8	pages 535-536	1-30
Chapter 9	pages 615-616	1-26
Cumulative Tests		
Chapters 1-6	page 422	1-24
Chapters 1-7	page 472	1-22
Chapters 1-8	pages 537-538	1-24
Chapters 1-9	pages 617-618	1-27
Practice Final Exam		
Chapters 6-9	pages 769-770	32-55