

Montgomery College
Department of Mathematics
 Rockville Campus
ICL – Schedule and Assignments, Fall 2008

Note: Each lesson has a computer quiz unless specified.

LESSON NUMBER	SCORE	TITLE/VIDEO	HOMEWORK ASSIGNMENT	TARGET DATE
1		Solving Equations	Vol 1 HA1-800 #1-19 odd	9/5
2		Solving Inequalities	Vol 1 HA1-801 # 1-19 odd	9/12
3		Computer Test	Lessons 1 & 2	
4		Identify and Multiply Monomials	Vol 1 HA1-220 # 1-19 odd	
5		Dividing Monomials, Zero Exponent	Vol 1 HA1-225 # 1-19 odd	
6		Raising Monomials to a Power	Vol 1 HA1-230 # 1-19 odd	
7		Negative Exponents	Vol 1 HA1-815 # 1-15 odd	
8		Scientific Notation	Vol 1 HA1-235 # 1-13 odd	9/19
9		Computer Test	Lessons 4-8	
10		Identifying the Degree of a Polynomial	Vol 1 HA1-240 # 1-17 odd	
11		Adding and Subtracting Polynomials	Vol 1 HA1-245 # 1-15 odd	
12		Simplifying Algebraic Expressions	Vol 1 HA1-920 # 3-27 odd excluding #17	
13		Squaring a Binomial	Vol 1 HA1-260 # 1-13 odd and 19	
14		Computer Test	Lessons 10-13	
Exam #1 (Lessons 1 – 14) and turn in homework.				9/24 or 9/25
Check with your instructor for exact date				

WARNING: For the remainder of the course, some assignments will be from Volume 1 and some from Volume 2.

LESSON NUMBER	SCORE	TITLE/VIDEO	HOMEWORK ASSIGNMENT	TARGET DATE
15		Factoring out the GCF	Vol 1 HA1-270 #1, 3, 5, 7, 17, 19, 21, 23, 27, 37	10/3
16		Factoring Special Products	Vol 1 HA1-275 # 1-19 odd	
17		Factoring $x^2 + bx + c$	Vol 1 HA1-802 # 1-19 odd	
18		Factoring $ax^2 + bx + c$	Vol 1 HA1-290 # 1, 3, 5, 9, 11-17 all	
19		Factoring a Polynomial Completely * (handout, no video)	Vol 1 HA1-300 #1, 5, 7, 9, 11, 13, 19 If pretest score is less than 100%, work all problems on the handout called "Factoring a Polynomial Completely" then take Paper and Pencil Quiz .	10/10
20		Computer Test	Lessons 15-19	
21		Solving Polynomial Equations by Factoring	Vol 1 HA1-305 # 1-17 odd	
22		Introduction to Rational Expressions	Vol 2 HA1-315 # 1-17 odd	
23		Simplifying Rational Expressions	Vol 2 HA1-320 # 1-19 odd Work out supplementary homework for lesson 23.	10/17
24		Multiplying Rational Expressions	Vol 2 HA1-325 # 1-15 odd	
25		Dividing Rational Expressions	Vol 2 HA1-330 # 1-13 odd Work out supplementary homework for lesson 25.	
26		Computer Test	Lessons 21-25	
		Exam #2 (Lessons 15 – 26) and turn in homework. Check with your instructor for exact date.		10/20 or 21

* For Lesson 19, only the Pretest is on the computer. No video presentation or quiz is on the computer for this lesson. If you do not get 100% on the Pretest you must study the handout, work out the assigned problems, submit them with corrections to your instructor, and then take a paper and pencil quiz.

LESSON NUMBER	SCORE	TITLE/VIDEO	HOMEWORK ASSIGNMENT	TARGET DATE
27		Finding the LCD and Equivalent Fractions	Vol 2 HA1-335 # 1-17 odd	10/24
28		Adding and Subtracting Rational Expressions	Vol 2 HA1-340 # 1-15 odd	
29		Solving Rational Equations	Vol 2 HA1-365 # 1-17 odd	10/31
30		Solving Literal Equations	Vol 1 HA1-175 # 1-17 odd	
31		Computer Test	Lessons 27-30	
32		Graphing Ordered Pairs of Numbers	Vol 1 HA1-370 # 1-9 odd	
33		Identifying Solutions of Equations in Two Variables	Vol 1 HA1-375 # 1-13 odd	
34		Graphing Linear Equations	Vol 1 HA1-380 # 1-9 odd	11/7
35		Finding the Slope of a Line	Vol 1 HA1-385 # 1-19 odd	
36		Graphing a Line Using Slope-Intercept	Vol 1 HA1-866 # 1 – 19 odd	
37		Graphing a Line Using Slope and a Point.	Vol 1 HA1-398 # 1-25 odd	
38		Computer Test	Lessons 32-37	
Exam #3 (Lessons 27 – 38) and turn in homework.				11/10 or 11/11
All formulas must be memorized for the exam.				
Check with your instructor for exact date.				
39		Using Point-Slope to Write the Equation of a Line	Vol 1 HA1-405 # 1-10 all	11/14
40		Using Two Points to Write the Equation of a Line	Vol 1 HA1-410 # 1-10 all, and 19	
41		Computer Test	Lessons 39 & 40	

LESSON NUMBER	SCORE	TITLE/VIDEO	HOMEWORK ASSIGNMENT	TARGET DATE
42		Solving Systems of Linear Equations by Graphing	Vol 2 HA1-455 # 1, 3, 5, 7, 25, 27, 29	11/21
43		Solving Systems of Linear Equations by Substitution	Vol 2 HA1-460 # 1-19 odd	
44		Solving Systems of Linear Equations by Elimination	Vol 1 HA1-803 # 1-19 odd	
45		Computer Test	Lessons 42-44	
46		Simplifying Square Roots	Vol 2 HA1-490 # 1-11 odd	
47		Pythagorean Theorem	Vol 2 HA1-515 # 1-17 odd	11/28
48		Quadratic Formula	Vol 2 HA1-535 # 5-19 odd Also work all supplemental problems on the handout called "Decimal Approximations". You must have a calculator to do this.	
49		Computer Test	Lessons 46-48	12/5
50		Writing Equations to Solve Word Problems	Vol 1 HA1-150 # 1-15 odd	
51		Distance, Rate, and Time Problems	Vol 1 HA1-160 # 1-17 odd	
52		Applying Algebraic Concepts. Lesson presentation on computer	Watch lesson presentation on computer, HA1-805, then work all problems on the handout called "Practice problems for Lesson 52", then take <i>Paper and Pencil Quiz</i>	
53		Application of Linear Functions Lesson presentation on the computer.**	Vol 2 HA1-960 # 1-17 odd <i>Paper and Pencil Quiz</i>	
		Exam #4 (Lessons 39-53) and turn in homework. All formulas must be memorized for the exam. Check with your instructor for exact date.		12/8 or 9
		Review for the final exam	MA 091 Review Packet	12/10, 11, 12

** For lesson 53, the Pretest and the presentation are on the computer. If you do not get 100% on the Pretest you must listen to the presentation, work the "Practice problems for Lesson 52" handout and take a paper and pencil quiz.

Friday, December 12, 2008 is the last day of regular classes.

Final exam week is Monday, December 15 – Friday, December 19, 2008

Check with your instructor for the exact date and time of your final exam or see posted schedule.

Final exams must be taken with your class.

The ICL lab is open on the following 10 Saturdays from 10 AM. – 1 PM.

9/13, 9/20, 10/4, 10/11, 10/18, 11/1, 11/8, 11/22, 12/6, 12/13