

# MT#1 SYLLABUS

MS 100 Fall 2008

Assgn	Pg	Problems**	Type of Problem
		<b>HIGHLIGHTING</b>	WS#1 - WS#9; WS#13. You may use the book for extra practice where Worksheets replaced the sections in the book.
		<b>CODE</b>	Sections that do not designate a worksheet were assigned from the book.
		<b>FOR</b>	This section used equations from the book but had directions from WS#7
		<b>SYLLABUS</b>	Chapter Reviews not guaranteed to be a complete review.
BG1.1	10	33-42; 51-74	<u>BACKGROUND:</u> * <u>Arithmetic:</u> Order of Operations using Integers
BG1.2	20	1-90	<u>BACKGROUND:</u> * <u>Arithmetic:</u> Order of Operations using Fractions
BG1.3	29	15-54	<u>BACKGROUND:</u> * <u>Arithmetic:</u> Order of Operations using Whole Number Exponents
BG1.4A	37	1-57	<u>BACKGROUND:</u> * <u>Simplifying &amp; Evaluating</u> Algebraic Expressions
Ch.1RA	41	11-22	<u>BACKGROUND REQUISITES</u> -- Review of Chapter 1 for <u>Arithmetic</u> (WS#1)
Ch.1RB	41	23-42	<u>BACKGROUND REQUISITES</u> -- Review of Chapter 1 for <u>Simple Algebra</u>
1.4T	38	64-99	<u>Translating</u> English Phrases into Algebraic Expressions
Ch.1RT	42	43-60	<u>More Translating</u> English Phrases into Algebraic Expressions
2.1A	51	1-50	<u>Solving:</u> First Degree <u>Integer Equations</u> (WS#3)
2.1B	52	51-56 (ALL)	<u>Word Problems:</u> "Simple Number Type"
2.1C	52	57-66 (ALL)	<u>Word Problems:</u> "Number Type"
2.2A	59	1-40	<u>Solving:</u> First Degree <u>Fraction Equations</u> (WS#3)
2.2B	60	41,42,45	<u>Word Problems:</u> "Simple Number Type" with Fractions
2.2C	60	48-54 (ALL)	<u>Word Problems:</u> "Number Type" with Fractions
2.2D	60	43,44,47,55-58 (ALL)	<u>Word Problems:</u> Geometry with Fractions
2.3A	67	1-28	<u>Solving:</u> First Degree <u>Decimal Equations</u> (WS#3)
2.3B	68	29-50 (ALL)	<u>Word Problems:</u> Percents & Decimals
2.4A	77	1-14 (ALL)	<u>Formulas:</u> "Substitution"
2.4B	78	17-23; 25-30; 33-44	<u>Solving:</u> For the <u>Indicated Variable</u> (WS#3)
2.4C	78	24, 31, 32, 45, 46	<u>Solving:</u> For the <u>Indicated Variable</u> with <u>Factoring</u> (WS#25)
2.4D	78	47, 48 (ALL)	<u>Word Problems:</u> <u>Geometry</u>
2.4E	79	49-52 (ALL)	<u>Word Problems:</u> <u>Interest</u>
2.4F	79	58-62 (ALL)	<u>Word Problems:</u> <u>Mixture</u>
2.5A	86	1-16	<u>Notation:</u> <u>Inequalities</u> (WS#13)
2.5B	86	17-70	<u>Solving:</u> Linear <u>Inequalities</u> in One Variable (WS#13)
2.6	94	19-56	<u>Solving:</u> <u>Compound Inequalities</u>
2.7	101	1-64	<u>Solving:</u> <u>Equations &amp; Inequalities</u> with <u>Absolute Value</u>
Ch.2R	104	1-9;11-14;16,19-22;25-32,35,36,47,48	<b>***Review</b> of Chapter 2 for MT#1
3.1	114	47-70	<u>Simplifying:</u> <u>Sums &amp; Differences</u> of <u>Polynomials</u> (WS#4)
3.2	120	1-93	<u>Simplifying:</u> <u>Products, Quotients, &amp; Powers</u> of <u>Monomials</u> ( <u>Exponent Rules</u> ) (WS#8)
3.3A	127	1-24; 29-52	<u>Multiplying Polynomials:</u> <u>Simple Distributive Property &amp; FOIL</u> (WS#4 & WS#6)
3.3B	127	25-28; 53-74	<u>Multiplying Polynomials</u> -- <u>General</u> (WS#9)

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3.4A	135	21-46	<u>Factoring: Greatest Common Factor (WS# ? )</u>
3.4B	135	47-64	<u>Factoring: by Grouping (WS# ? )</u>
3.4C	136	65-86	<u>Solving: Using Factoring to Solve Equations (WS#18)</u>
3.5A	142	1-44	<u>Factoring: Difference of Squares (WS# ? )</u>
3.5B	142	45-56	<u>Factoring: Sum or Difference of Cubes (WS# ? )</u>
3.5C	142	57-70	<u>Solving: Using More Factoring Patterns to Solve Equations (WS#18)</u>
3.6A	150	1-56	<u>FOIL Factoring: Trinomials (WS#14)</u>
3.6B	150	57-94	<u>Factoring: ALL Methods Combined (WS#15)</u>
3.7A	156	1-54	<u>Solving: Using All Factoring Patterns to Solve Equations (WS#18)</u>
3.7B	156	55-70 (ALL)	<u>Word Problems: Quadratic</u>
Ch3R	161	1-23	<u>***Review of Chapter 3 for MT#1</u>
4.1A	170	1-50	<u>Simplifying: Rational Expressions (Algebraic Fractions) (WS#16)</u>
4.1B	171	59-68	<u>Simplifying: Rational Expressions using: <math>a-b = -(b-a)</math> (WS#16)</u>
4.2	176	1-50	<u>Simplifying: Multiplication &amp; Division of Rational Expressions (WS#16)</u>
4.3	184	1-68	<u>Simplifying: Addition &amp; Subtraction of Rational Expressions (WS#17)</u>
4.4	193	1-64	<u>MORE Simplifying: Addition &amp; Subtraction of Rational Expressions (WS#17)</u>
4.5	200	1-64	<u>Dividing Polynomials &amp; Synthetic Division</u>
Ch4R	222	1-22	<u>***Review of Chapter 4 - Sections 4.1 - 4.5</u>
5.1A	231	1-42	<u>Arithmetic: Using Integers as Exponents with Numbers (WS#8)</u>
5.1B	231	43-74	<u>Simplifying: With Integer Exponents in Algebraic Expressions (WS#8)</u>
5.1C	232	75-84	<u>Simplifying: With Integer Exponents in Algebraic Expressions with Two Terms</u>
5.2A	242	1-20	<u>Arithmetic: Evaluating "Simple" Roots &amp; Radicals (WS#2)</u>
5.2B	242	21-44	<u>Simplifying: Radicals -- Numbers Only (WS# ? )</u>
5.2C	243	45-74	<u>Simplifying: Radicals -- Rationalizing the Denominator</u>
5.3	248	1-74	<u>Simplifying: Sums of Radicals &amp; Radicals Containing Variables (WS# ? )</u>
5.4	254	1-76	<u>Products &amp; Quotients with Radicals (WS# ? )</u>
5.7	271	1-32	<u>Scientific Notation</u>
Ch5R	275	1-5, 10-12, 37,38,42	<u>***Review of Chapter 5 for MT#1</u>
7.1	346	1-33	<u>Graphing Straight Lines using x- &amp; y-intercepts. (Uses WS#7 along with the book.)</u>
7.2A	356	26-39	<u>Graphing More Lines</u>
7.2B	356	40-59	<u>Graphing Other Equations</u>
7.3	361	1-24	Linear Inequalities in 2 Variables ( <u>Shade Graphs</u> )
7.4	371	1-12, 17-48	<u>Distance &amp; Slope Between Two Points; Use slope to find points on line &amp; graph.</u>
7.5A	383	19-26; 31-34	<u>Writing Equations of Lines given Slope &amp; y-intercept; Vertical &amp; Horizontal Lines</u>
7.5B	384	43-66	<u>Putting Linear Equations into Slope-Intercept Form; Graphing Straight Lines using Slope</u>
7.5C	383	1-18; 27-30; 35-42	<u>Write the Equation of a Line - General</u>
Ch.7R	388	16-31	<u>***Review of Chapter 7 for MT#1</u>
11.1	598	1-60	<u>Solving: Systems of Equations (2 Equations with 2 Variables) (WS#19)</u>
		<b>**Odds, unless need extra</b>	<b>*If ANY trouble is encountered with any of Ch1R or WS#1, refer to these for extra practice.</b>
			<b>BACKGROUND REQUISITES -- Review of Chapter 1</b>
			<b>Book problems replaced by Worksheets. May use book for more practice.</b>
			<b>***Chapter Reviews not assigned. SOME practice problems for Tests.</b>
			<b>Chapter Reviews not guaranteed to be a complete review.</b>