

Algebra I Homework Assignments

Date Assigned	Assignment	Completed (Test: time started)	Checked (Test: time finished)	Reworked Errors
summer	Ch. 1 Lesson 1 – Addition: Sets I, II			
	1.2 – Subtraction: I, II			
	1.3 – Multiplication: I, II			
	1.4 – Division: I, II			
	3.1 – Integers: III			
	Read Lessons 1.5 – 1.9			
9/8	1.5 – Raising to a Power: I, II, IV			
	1.6 – Zero and One: I, III			
	1.7 – Several Operations: I, II, IV			
	1.8 – Parentheses: I, II, (IV optional)			
	1.9 – The Distributive Rule: I, III, IV			
	Read Lessons 2.1 – 2.3			
9/15	1.S – I			
	1.T (45 minutes) – show ALL work and staple papers together			
	2.1 – Intro to Functions: I, III, (IV optional)			
	2.2 – The Coordinate Graph: I, II			
	2.3 – More on Functions: I, II			
	Read Lessons 2.4 – 2.6			
9/22	2.4 – Direct Variation: I, II			
	2.5 – Linear Functions: I, II			
	2.6 – Inverse Variation: I, III			
	2.S – I			
	2.T – (1 hr), no calc, use graph paper for graphs			
	Read Lessons 3.2 – 3.6			
9/29	3.2 – More on the Coordinate Graph: I, III			
	3.3 – Addition: I, III, IV			
	3.4 – Subtraction: I, III, IV			
	3.5 – Multiplication: I, III			
	3.6 – Division: I, II, (IV optional)			
	Read Lessons 3.7 – 4.2			
10/6	3.7 – Several Operations: I, III, (IV optional)			
	3.S – II			
	3.T – (1 hr) – use graph paper for graph			
	4.1 – The Rational Numbers: I, III, IV			
	4.2 – Absolute Value and Addition: I, II			
	Read Lessons 4.3 – 5.1			
10/13	4.3 – More on Rational Numbers: I, III			
	4.4 – Approximations: I, II			
	4.5 – More on Graphing Functions: I, III, IV			
	4.S – II			
	5.1 – Equations: I, III			
	Read Lessons 5.2 – 5.4, 5.6			
10/20	4.T – (1 hr), calc for #34 – 37 only			
	5.2 – Inverse Operations: I, II, (IV optional)			
	5.3 – Equivalent Equations: I, II, (IV optional)			
	5.4 – Equivalent Expressions: I, III			
	5.6 – Length and Area, part 1: III.10, 13, 14a, 15b			
	Read Lessons 5.5 – 5.8			
10/27	5.5 – More on Solving Equations: I, II			

	5.6 – Length and Area 2: I, III.14b, c, 15a, c, d, IV			
	5.7 – Distance, Rate and Time: I, II			
	5.8 – Rate Problems: I, III			
	5.S – I			
	Read Lessons 6.1 – 6.3			
11/3	Rate problem worksheet			
	5.T – (45 min), calc for #30 – 34 only			
	6.1 – Equations in Two Variables: I, II, IV optional			
	6.2 – Formulas: I, II, IV			
	6.3 – Graphing Linear Equations: I, III			
	Read Lessons 6.4 – 6.6			
11/10	6.4 – Intercepts: I, II			
	6.5 – Slope: I, III			
	6.6 – Slope-Intercept Form: I, II			
	6.S – II			
	Read Lessons 7.1 – 7.3, 7.7			
11/17	6.T – (1 hr), no calc			
	7.1 – Simultaneous Equations: I, III (IV opt)			
	7.2 – Solving by Subtraction: I, II, IV			
	7.3 – More on Solving by + and - :I, II (IV opt)			
	7.7 – Mixture Problems: II.4, 5			
	Read Lessons 7.4 – 7.7			
11/24	No Cornerstone - Give Thanks!!			
12/1	7.4 – Graphing Simultaneous Equations: I, III, IV			
	7.5 – Inconsistent and Equiv. Expressions: I, II			
	7.6 – Solving by Substitution: I, III			
	7.7 – Mixture Problems: I, II.6, 7			
	7.S – II			
	Read Lessons 8.1 – 8.4			
12/8	7.T – (1 hr), use graph paper, no calc			
	8.1 – Large Numbers: I, III			
	8.2 – Fundamental Property of Exponents: I, III, IV			
	8.3 – 2 or More Prop. of Exponents: I, III (IV opt)			
	8.4 – Zero and Neg. Exponents: I, II (IV opt)			
	Read Lessons 8.5 – 8.7			
12/15	8.5 – Small Numbers: I, II			
	8.6 – Powers of Products and Quotients: I, III			
	8.7 – Exponential Functions: I, III			
	8.S – II			
	8.T – (50 min), no calc			
	Optional for Christmas break: Midterm review and Midterm (see assigned problems below)...IF YOU UNDERSTAND ALL THE MATERIAL. Otherwise, wait until we do some midterm review problems together on Jan. 15			
	Read Lessons 9.1 – 9.3			
1/5	9.1 – Monomials: I, II, IV			
	9.2 – Polynomials: I, III			
	9.3 – Adding and Subtracting Polynomials: I, II, IV opt			
	Midterm review:I.1, 3, 4, 7, 11-14, 21, 27, 32, 33, 36, 38, 39, II.2, 7, 10, 11, 16, 19, 21, 24, 26, 29, 33, 36 – 38, III. 4, 5, 10 – 16, 18, 21, 22, 24, 28, 34, 35, 38 – 40			

	Midterm review: I.6, 8, 19, 21, 23, 28, 30, 34, 35, 37, 40, II.4, 5, 8, 9, 13, 15, 17, 18, 20 – 23, 27, 28, 32, 40, III.1, 6, 8, 9, 26, 27, 31, 36, 37			
	Read Lessons 9.4 - 9.6, 10.1			
1/12	Midterm – (90 min), use graph paper, no calc, grade at home			
	9.4 – Multiplying Polynomials: I, III, IV opt			
	9.5 – More on Multiplying Polynomials: I, II, IV opt			
	9.6 – Squaring Binomials: I, III			
	10.1 – Prime and Composite Numbers: I, II			
	Read Lessons 9.7, 10.2, 10.3			
1/19	9.7 – Dividing Polynomials: I, II			
	9.S – I			
	9.T – 1 hour, no calculator			
	10.2 – Monomials and Their Factors: I, III, IV opt			
	10.3 – Polynomials and Their Factors: I, II, IV			
	Read Lessons 10.4 – 10.6, 11.1			
1/26	10.4 – Factoring Second-Degree Polynomials: I, III			
	10.5 – Factoring Difference of Two Squares: I, II, 10.4 – II.8 a – f			
	10.6 – Factoring Trinomial Squares: I, III, IV opt, 10.4 – II.8 g – l			
	11.1 – Fractions: I, III			
	Read Lessons 10.7 – 10.8, 11.2			
2/2	10.7 – More on Factoring Second-Degree Polynomials: I, II			
	10.8 – Factoring Higher-Degree Polynomials: I, III			
	10.S – I			
	10.T – 50 minutes, calculator OK			
	11.2 – Algebraic Fractions: I, II			
	Read Lessons 11.3 – 11.6			
2/9	11.3 – Adding and Subtracting Fractions: I, III			
	11.4 – More on Addition and Subtraction: I, III			
	11.5 – Multiplying Fractions: I, II			
	11.6 – More on Multiplication: I, III			
	Read Lessons 11.7 – 12.1			
2/16	PRESIDENT'S DAY – NO CORNERSTONE			
2/23	11.7 – Dividing Fractions: I, II, IV			
	11.8 – Complex Fractions: I, II			
	11.S – II			
	11.T – 40 minutes, no calculator			
	12.1 – Squares and Square Roots: I, III			
	Read Lessons 12.2 – 12.6			
3/2	12.2 – Square Roots of Products: I, II, IV (calculator for II.7 and IV only)			
	12.3 – Square Roots of Quotients: I, III, IV (calc for III.14 and IV only)			
	12.4 – Adding and Subtracting Square Roots: I, II (calc for II.6 only), IV			
	12.5 – Multiplying Square Roots: I, III, IV (calculator for IV only)			
	12.6 – Dividing Square Roots: I, II (calc for II.5 and II.9 only)			
	Read Lessons 12.7 – 13.2			
3/9	12.7 – Radical Equations: I, III, IV opt (calc for I.3, IV only)			

	12.S – I, (calc for I.7 and I.13 only)			
	12.T – 40 minutes, no calculator			
	13.1 – Polynomial Equations: I, III, IV			
	13.2 – Polynomial Functions: I, II			
	Read Lessons 13.3 – 13.6			
3/16	13.3 – Solving Polynomial Equations by Graphing: I, III, IV			
	13.4 – Solving Quadratic Equations by Factoring: I, II, IV opt			
	13.5 – Solving Quadratic Equations by Taking Square Roots: I, III, IV opt			
	13.6 – Completing the Square: I, II, IV opt			
	Read Lessons 13.7 – 13.9			
3/23	13.7 – The Quadratic Formula: I, III			
	13.8 – The Discriminant: I, II			
	13.9 – Solving Higher Degree Equations: I, II			
	13.S – I			
	13.T – 1 hour, calculator OK			
	Read Lessons 14.1 – 14.4			
3/30	14.1 – Rational Numbers: I, III, IV			
	14.2 – Irrational Numbers: I, II			
	14.3 – More Irrational Numbers: I, III, IV			
	14.4 – Pi: I, II			
	Read Lessons 15.1 – 15.3			
4/6	14.5 – The Real Numbers: I, III			
	14.S – II			
	14.T – 50 minutes, calculator OK			
	15.1 – Ratio and Proportion: I, III			
	15.2 – Equations Containing Fractions: I, II			
	15.3 – More on Fractional Equations: I, III, IV			
	Read Lessons 15.4 – 16.1			
4/13	No Cornerstone – Happy Easter!!			
4/20	15.4 – Solving Formulas: I, III			
	15.5 – More on Solving Formulas: I, II			
	15.S – II			
	15.T – 1 hour, calculator OK			
	16.1 – Inequalities: I, III, IV opt			
	Read Lessons 16.2 – 16.4			
4/27	16.2 – Solving Linear Inequalities: I, II			
	16.3 – More on Solving Inequalities: I, III			
	16.4 – Absolute Value and Inequalities: I, II, IV			
	16.S – I			
	16.T – 50 minutes, calculator OK			
	Final Review – Test I (page 818)			
5/4	Final Exam (2 hours, all at once), calculator OK, parents grade at home			