

## A Correlation of Active Algebra: Algebra I to Prentice Hall Algebra I

Unit Number & Title	Lesson Number	Page Number	Active Algebra Lesson Title	Prentice Hall Algebra I Lesson Title & Page Number
1 Algebraic Expressions and Integers	2	13	Writing Algebraic Expressions	1-1 Using Variables p.4
1 Algebraic Expressions and Integers	3	16	Properties and Order of Operations	1-7 The Distributive Property p.47, 1-8 Properties of Real Numbers p.54
1 Algebraic Expressions and Integers	4	20	Order of Operations	1-2 Exponents and Order of Operations p.9
1 Algebraic Expressions and Integers	5	24	Adding Integers with Chips	1-4 Adding Real Numbers p.25, 1-5 Subtracting Real Numbers p.32
1 Algebraic Expressions and Integers	6	31	Multiplying and Dividing Integers	1-6 Multiplying and Dividing Real Numbers p.37
1 Algebraic Expressions and Integers	7	35	Mixed Integers	
1 Algebraic Expressions and Integers	8	38	Integers Review 1	
1 Algebraic Expressions and Integers	9	42	Integers Review 2	
1 Algebraic Expressions and Integers	10	45	Collecting Like Terms	2-3 Solving Multi-Step Equations p.88

## A Correlation of Active Algebra: Algebra I to Prentice Hall Algebra I

Unit Number & Title	Lesson Number	Page Number	Active Algebra Lesson Title	Prentice Hall Algebra I Lesson Title & Page Number
1 Algebraic Expressions and Integers	11	50	Distributing and Collecting 1	1-7 The Distributive Property p.47
1 Algebraic Expressions and Integers	12	52	Distributing and Collecting 2	1-7 The Distributive Property p.47
1 Algebraic Expressions and Integers	13	53	Distributing and Collecting Review	1-7 The Distributive Property p.47
1 Algebraic Expressions and Integers	14	56	Writing One-Variable Equations	2-1 Solving One-Step Equations p.74, 2-2 Solving Two-Step Equations p.81, 2-3 Solving Mult-Step Equations p.88, 2-5 Equations and Problem Solving p. 103
1 Algebraic Expressions and Integers	15	62	Writing Expressions and Equations 1	2-1 Solving One-Step Equations p.74, 2-2 Solving Two-Step Equations p.81, 2-3 Solving Mult-Step Equations p.88, 2-5 Equations and Problem Solving p. 103
1 Algebraic Expressions and Integers	16	64	Writing Expressions and Equations 2	2-1 Solving One-Step Equations p.74, 2-2 Solving Two-Step Equations p.81, 2-3 Solving Mult-Step Equations p.88, 2-5 Equations and Problem Solving p. 103
1 Algebraic Expressions and Integers	17	66	Integer Unit Test	
2 Linear Equations	18	11	Solving Linear Equations with Cups and Chips 1	Investigation Modeling Equations p.95, 2-4 Equations with Variables on Both Sides p. 96

## A Correlation of Active Algebra: Algebra I to Prentice Hall Algebra I

Unit Number & Title	Lesson Number	Page Number	Active Algebra Lesson Title	Prentice Hall Algebra I Lesson Title & Page Number
2 Linear Equations	19	19	Solving Linear Equations with Cups and Chips 2	Investigation Modeling Equations p.95, 2-4 Equations with Variables on Both Sides p. 96
2 Linear Equations	20	23	Solving Equations 1	2-4 Equations with Variables on Both Sides p.96
2 Linear Equations	21	26	Solving Equations 2	2-4 Equations with Variables on Both Sides p.96
2 Linear Equations	22	28	Solving Equations with Fractions 1	2-1 Solving One-Step Equations p.74, 2-2 Solving Two-Step Equations p.81, 2-3 Solving Mult-Step Equations p.88, 2-5 Equations and Problem Solving p. 103
2 Linear Equations	23	31	Solving Equations with Fractions 2	2-1 Solving One-Step Equations p.74, 2-2 Solving Two-Step Equations p.81, 2-3 Solving Mult-Step Equations p.88, 2-5 Equations and Problem Solving p. 103
2 Linear Equations	24	33	Algebra Applications with Angles 1	2-5 Equations and Problem Solving
2 Linear Equations	25	34	Solving Equations with Fractions 3	2-1 Solving One-Step Equations p.74, 2-2 Solving Two-Step Equations p.81, 2-3 Solving Mult-Step Equations p.88, 2-5 Equations and Problem Solving p. 103
2 Linear Equations	26	36	Algebra Applications with Angles 2	
2 Linear Equations	27	38	Solving Literal Equations 1	2-6 Formulas p. 111
2 Linear Equations	28	41	Solving Literal Equations 2	2-6 Formulas p. 111
2 Linear Equations	29	42	Solving Literal Equations 3	2-6 Formulas p. 111

## A Correlation of Active Algebra: Algebra I to Prentice Hall Algebra I

Unit Number & Title	Lesson Number	Page Number	Active Algebra Lesson Title	Prentice Hall Algebra I Lesson Title & Page Number
2 Linear Equations	30	43	Solving Literal Equations 4	2-6 Formulas p. 111
2 Linear Equations	31	44	Linear Equation Test	
3 Probability, Percent, and Proportion	32	11	Percent of Region 1	Investigation Modeling Percents p. 196
3 Probability, Percent, and Proportion	33	13	Percent of Region 2	Investigation Modeling Percents p. 196
3 Probability, Percent, and Proportion	34	14	Probability	4-5 Applying Ratios to Probability p.211, 4-6 Probability of Compound Events p.219
3 Probability, Percent, and Proportion	35	19	Fraction-to-Decimal Conversions	Skills Handbook Fractions, Decimals, and Percents p.728
3 Probability, Percent, and Proportion	36	22	Review	
3 Probability, Percent, and Proportion	37	28	Percent and Probability 1	4-3 Proportions and Percent Equations p. 197
3 Probability, Percent, and Proportion	38	29	Percent and Probability 2	4-3 Proportions and Percent Equations p. 197
3 Probability, Percent, and Proportion	39	31	Proportions	4-1 Ratio and Proportion p. 182, 4-2 Proportions and Similar Figures p. 189

## A Correlation of Active Algebra: Algebra I to Prentice Hall Algebra I

Unit Number & Title	Lesson Number	Page Number	Active Algebra Lesson Title	Prentice Hall Algebra I Lesson Title & Page Number
3 Probability, Percent, and Proportion	40	33	Unit Review 1	
3 Probability, Percent, and Proportion	41	34	Unit Review 2	
3 Probability, Percent, and Proportion	42	35	Probability, Percent, and Proportion Test	
4 Graphing	43	11	Coordinate Plane	1-9 Graphing Data on the Coordinate Plane p. 59
4 Graphing	44	15	Relations and Functions	5-2 Relations and Functions p. 241
4 Graphing	45	20	Equations as Relations 1	5-3 Function Rules, Tables, and Graphs p. 247, 5-4 Writing a Function Rule p. 254
4 Graphing	46	23	Equations as Relations 2	5-3 Function Rules, Tables, and Graphs p. 247, 5-4 Writing a Function Rule p. 254
4 Graphing	47	24	Lines and Curves	
4 Graphing	48	28	Functions	5-2 Relations and Functions p. 241, 5-4 Writing a Function Rule p. 254
4 Graphing	49	30	Writing Equations from Patterns	5-4 Writing a Function Rule p.254, 5-6 Describing Number Patterns p. 268
4 Graphing	50	34	Mid Unit Review 1	
4 Graphing	51	36	Mid-Unit Review 2	
4 Graphing	52	38	Slope 1	6-1 Rate of Change and Slope p. 282
4 Graphing	53	42	Slope 2	6-1 Rate of Change and Slope p. 282
4 Graphing	54	44	Slope 3	6-1 Rate of Change and Slope p. 282
4 Graphing	55	47	Point-Slope Form 1	6-4 Point-Slope Form and Writing Linear Equations p. 304

## A Correlation of Active Algebra: Algebra I to Prentice Hall Algebra I

Unit Number & Title	Lesson Number	Page Number	Active Algebra Lesson Title	Prentice Hall Algebra I Lesson Title & Page Number
4 Graphing	56	50	Point-Slope Form 2	6-4 Point-Slope Form and Writing Linear Equations p. 304
4 Graphing	57	53	Slope-Intercept Form	6-2 Slope-Intercept Form p. 291
4 Graphing	58	56	Slope Formulas 1	6-2 Slope-Intercept Form p. 291, 6-4 Point-Slope Form and Writing Linear Equations p. 304
4 Graphing	59	59	Slope Formulas 2	6-2 Slope-Intercept Form p. 291, 6-4 Point-Slope Form and Writing Linear Equations p. 304
4 Graphing	60	61	Graphing Linear Equations	6-3 Standard Form p.298, 6-5 Parallel and Perpendicular Lines p.311, 6-6 Scatterplots and Equations of Lines p.318
4 Graphing	61	64	Parameter Changes 1	
4 Graphing	62	66	Parameter Changes 2	
4 Graphing	63	68	Graphing Unit Review and Test	
5 Inequalities	64	11	Graphing Inequalities	3-1 Inequalities and Their Graphs p.134
5 Inequalities	65	13	Solving Multistep Inequalities	3-2 Solving Inequalities Using Addition and Subtraction p.140, 3-3 Solving Inequalities Using Multiplication and Division p. 146, 3-4 Solving Multi-Step Inequalities p. 153
5 Inequalities	66	17	Union and Intersection	
5 Inequalities	67	19	Compound Inequalities 1	3-5 Compound Inequalities p. 161
5 Inequalities	68	24	Compound Inequalities 2	3-5 Compound Inequalities p. 161
5 Inequalities	69	27	Compound Inequalities 3	3-5 Compound Inequalities p. 161
5 Inequalities	70	28	Absolute Value Inequalities 1	3-6 Absolute Value Equations and Inequalities p. 167
5 Inequalities	71	33	Absolute Value Inequalities 2	3-6 Absolute Value Equations and Inequalities p. 167
5 Inequalities	72	35	Graphing Two-Variable Inequalities	7-5 Linear Inequalities p.371

## A Correlation of Active Algebra: Algebra I to Prentice Hall Algebra I

Unit Number & Title	Lesson Number	Page Number	Active Algebra Lesson Title	Prentice Hall Algebra I Lesson Title & Page Number
6 Systems of Equations & Semester Review	73	11	Comparing Systems	7-1 Solving Systems by Graphing p. 340
6 Systems of Equations & Semester Review	74	14	Substitution Method 1	7-2 Solving Systems by Using Substitution
6 Systems of Equations & Semester Review	75	18	Substitution Method 2	7-2 Solving Systems by Using Substitution
6 Systems of Equations & Semester Review	76	21	Addition Method 1	7-3 Solving Systems Using Elimination
Equations & Semester Review	77	25	Addition Method 2	7-3 Solving Systems Using Elimination
6 Systems of Equations & Semester Review	78	28	Solving Systems of Equations	7-4 Application of Linear Systems
6 Systems of Equations & Semester Review	79	29	Review Systems of Equations 1	7-1 Solving Systems by Graphing p. 340, 7-2 Solving Systems by Using Substitution p.347, 7-3 Solving Systems Using Elimination p.353

## A Correlation of Active Algebra: Algebra I to Prentice Hall Algebra I

Unit Number & Title	Lesson Number	Page Number	Active Algebra Lesson Title	Prentice Hall Algebra I Lesson Title & Page Number
6 Systems of Equations & Semester Review	80	31	Review Systems of Equations 2	7-1 Solving Systems by Graphing p. 340, 7-2 Solving Systems by Using Substitution p.347, 7-3 Solving Systems Using Elimination p.353
6 Systems of Equations & Semester Review	81	32	Review Systems of Equations 3	7-1 Solving Systems by Graphing p. 340, 7-2 Solving Systems by Using Substitution p.347, 7-3 Solving Systems Using Elimination p.353
6 Systems of Equations & Semester Review	82	33	Review Systems of Equations 4	7-1 Solving Systems by Graphing p. 340, 7-2 Solving Systems by Using Substitution p.347, 7-3 Solving Systems Using Elimination p.353
6 Systems of Equations & Semester Review	83	34	Review Systems of Equations 5	7-1 Solving Systems by Graphing p. 340, 7-2 Solving Systems by Using Substitution p.347, 7-3 Solving Systems Using Elimination p.353
6 Systems of Equations & Semester Review	84	36	Standardized Test Practice	
6 Systems of Equations & Semester Review	85	37	Graphing, One-Variable Equations, and Mixed Operations	
6 Systems of Equations & Semester Review	86	38	Graphing and Two-Variable Equations	

## A Correlation of Active Algebra: Algebra I to Prentice Hall Algebra I

Unit Number & Title	Lesson Number	Page Number	Active Algebra Lesson Title	Prentice Hall Algebra I Lesson Title & Page Number
6 Systems of Equations & Semester Review	87	39	Final Semester Review	
6 Systems of Equations & Semester Review	88	41	Semester 1 Exam	
7 Polynomials	89	10	Multiplying Monomials	9-2 Multiplying and Factoring p.462
7 Polynomials	90	13	Dividing Monomials	
7 Polynomials	91	17	Mixed Operations with Monomials	9-2 Multiplying and Factoring p.462
7 Polynomials	92	21	Adding Polynomials with Algebra Tiles	9-1 Adding and Subtracting Polynomials p.456
7 Polynomials	93	25	Multiplying Binomials	9-3 Multiplying Binomials p.467, 9-4 Multiplying Special Cases p. 474
7 Polynomials	94	29	Distributing Monomials	9-2 Multiplying and Factoring p.462
7 Polynomials	95	32	Representing Geometric Figures with Algebraic Expressions	
7 Polynomials	96	38	Self-Paced Geometry 1	9-1 Adding and Subtracting Polynomials p. 456, 9-3 Multiplying Binomials, 9-4 Multiplying Special Cases p.474
7 Polynomials	97	42	Self-Paced Geometry 2	9-1 Adding and Subtracting Polynomials p. 456, 9-3 Multiplying Binomials, 9-4 Multiplying Special Cases p.474
7 Polynomials	98	44	Self-Paced Geometry 3	9-1 Adding and Subtracting Polynomials p. 456, 9-3 Multiplying Binomials, 9-4 Multiplying Special Cases p.474

## A Correlation of Active Algebra: Algebra I to Prentice Hall Algebra I

Unit Number & Title	Lesson Number	Page Number	Active Algebra Lesson Title	Prentice Hall Algebra I Lesson Title & Page Number
7 Polynomials	99	46	Self-Paced Geometry 4	9-1 Adding and Subtracting Polynomials p. 456, 9-3 Multiplying Binomials, 9-4 Multiplying Special Cases p.474
7 Polynomials	100	47	Self-Paced Geometry 5	9-1 Adding and Subtracting Polynomials p. 456, 9-3 Multiplying Binomials, 9-4 Multiplying Special Cases p.474
7 Polynomials	101	48	Self-Paced Geometry 6	9-1 Adding and Subtracting Polynomials p. 456, 9-3 Multiplying Binomials, 9-4 Multiplying Special Cases p.474
7 Polynomials	102	50	Polynomials Test	
8 Factoring	103	10	Factoring the Greatest Common Factor	
8 Factoring	104	14	Factoring Trinomials (Third Term Negative)	9-5 Factoring Trinomials of the Type $x^2 + bx + c$ p. 481
8 Factoring	105	21	Factoring Trinomials (Third Term Positive)	9-6 Factoring Trinomials of the Type $ax^2 + bx + c$ p. 486
8 Factoring	106	31	Factoring Trinomials with Algebra Tiles	Investigations Using Models to Factor p.480
8 Factoring	107	35	Factoring All Types of Problems 1	9-8 Factoring by Grouping p. 496
8 Factoring	108	37	Factoring Special Types of Problems	9-7 Factoring Special Cases p.490
8 Factoring	109	42	Factoring All Types of Problems 2	9-5 Factoring Trinomials of the Type $x^2 + bx + c$ p. 481, 9-6 Factoring Trinomials $ax^2 + bx + c$ p. 486
8 Factoring	110	45	Solving Quadratic Equations 1	10-5 Factoring to Solve Quadratic Equations p.536
8 Factoring	111	48	Solving Quadratic Equations 2	10-5 Factoring to Solve Quadratic Equations p.536, 10-6 Completing the Square p.541
8 Factoring	112	50	Factoring Unit Review 1	
8 Factoring	113	52	Factoring Unit Review 2	
8 Factoring	114	53	Factoring Unit Test	
8 Factoring	115	55	Solving Rational Equations 1	

## A Correlation of Active Algebra: Algebra I to Prentice Hall Algebra I

Unit Number & Title	Lesson Number	Page Number	Active Algebra Lesson Title	Prentice Hall Algebra I Lesson Title & Page Number
8 Factoring	116	57	Solving Rational Equations 2	
8 Factoring	117	58	Solving Rational Equations 3	
9 Radicals and Quadratics	118	10	Using the Pythagorean Theorem	11-2 The Pythagorean Theorem p. 584
9 Radicals and Quadratics	119	13	Pythagorean Theorem	11-2 The Pythagorean Theorem p. 584
9 Radicals and Quadratics	120	17	Simplifying Radical Expressions 1	11-4 Operations with Radical Expressions p.600
9 Radicals and Quadratics	121	20	Simplifying Radical Expressions 2	11-4 Operations with Radical Expressions p.600
9 Radicals and Quadratics	122	24	Adding Radical Expressions	11-4 Operations with Radical Expressions p.600
9 Radicals and Quadratics	123	28	Multiplying Radical Expressions	11-1 Simplifying Radicals p. 578
9 Radicals and Quadratics	124	31	Radical Operations	11-4 Operations with Radical Expressions p.600
9 Radicals and Quadratics	125	33	Solving Radical Equations 1	11-5 Solving Radical Equations p. 607, Graphing Square Root Functions p. 614
9 Radicals and Quadratics	126	36	Solving Radical Equations 2	11-5 Solving Radical Equations p. 607, Graphing Square Root Functions p. 614
9 Radicals and Quadratics	127	40	Radical Unit Review and Test	
9 Radicals and Quadratics	128	44	The Properties of Parabolas	10-1 Exploring Quadratic Graphs p. 510
9 Radicals and Quadratics	129	48	Identifying the Axis of Symmetry and the Vertex	10-1 Exploring Quadratic Graphs p. 510
9 Radicals and Quadratics	130	51	Graphing Quadratic Equations 1	10-2 Quadratic Functions p. 517

## A Correlation of Active Algebra: Algebra I to Prentice Hall Algebra I

Unit Number & Title	Lesson Number	Page Number	Active Algebra Lesson Title	Prentice Hall Algebra I Lesson Title & Page Number
9 Radicals and Quadratics	131	54	Graphing Quadratic Equations 2	10-2 Quadratic Functions p. 517
9 Radicals and Quadratics	132	58	The Quadratic Formula 1	10-7 Using the Quadratic Formula p. 547
9 Radicals and Quadratics	133	64	The Quadratic Formula 2	10-7 Using the Quadratic Formula p. 547
9 Radicals and Quadratics	134	68	Graphing and Solving Quadratic Equations	10-4 Solving Quadratic Equations p. 529
9 Radicals and Quadratics	135	71	Quadratics Unit Assessment	
10 Rational Expressions	136	10	Simplifying Rational Expressions 1	12-3 Simplifying Rational Expressions p. 652
10 Rational Expressions	137	15	Simplifying Rational Expressions 2	12-3 Simplifying Rational Expressions p. 652
10 Rational Expressions	138	17	Multiplying and Dividing Rational Expressions	12-4 Multiplying and Dividing Rational Expressions p.657
10 Rational Expressions	139	20	Rational Expressions Mid-Unit Review	
10 Rational Expressions	140	23	Rational Expressions Mid-Unit Test	
10 Rational Expressions	141	25	Adding Rational Expressions 1	12-6 Adding and Subtracting Rational Expressions p.667
10 Rational Expressions	142	29	Adding Rational Expressions 2	12-6 Adding and Subtracting Rational Expressions p.667
10 Rational Expressions	143	30	Adding Rational Expressions Quiz	
10 Rational Expressions	144	31	Solving Rational Equations 1	12-7 Solving Rational Equations p.672

## A Correlation of Active Algebra: Algebra I to Prentice Hall Algebra I

Unit Number & Title	Lesson Number	Page Number	Active Algebra Lesson Title	Prentice Hall Algebra I Lesson Title & Page Number
10 Rational Expressions	145	33	Solving Rational Equations 2	12-7 Solving Rational Equations p.672
10 Rational Expressions	146	35	Solving Rational Equations Quiz	
10 Rational Expressions	147	37	Rational Expressions Unit Review 1	12-3 Simplifying Rational Expressions p. 652, 12-4 Multiplying and Dividing Rational Expressions p. 657, 12-6 Adding and Subtracting Rational Expressions p.667, 12-7 Solving Rational Equations p.672
10 Rational Expressions	148	38	Rational Expressions Unit Review 2	12-3 Simplifying Rational Expressions p. 652, 12-4 Multiplying and Dividing Rational Expressions p. 657, 12-6 Adding and Subtracting Rational Expressions p.667, 12-7 Solving Rational Equations p.672
10 Rational Expressions	149	39	Rational Expressions Unit Test	
10 Rational Expressions	150	40	Game Day!	
10 Rational Expressions	151	42	Standardized Practice Test	
10 Rational Expressions	152	43	Creating Algebra Aces Games	
10 Rational Expressions	153	45	Playing Algebra Aces Games	
10 Rational Expressions	154	46	Algebra I Second Semester Review	
10 Rational Expressions	155	47	Algebra I Second Semester Exam	