



# Algebra 1

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STANDARDS	PAGE REFERENCES
<b>Algebra I PERFORMANCE STANDARDS</b>	
<b>A1:1 Number Sense</b>	
.1 Classify numbers as Real, Irrational, Rational, Integer, Whole, Natural.	<p><b>Student Edition:</b> 46-47, 50-51 #1-#3, #22-#27 <i>Standardized Test Practice</i> 52 #69 <i>Study Guide and Review</i> 64 #54-#55</p> <p><b>Teacher Wraparound Edition:</b> A 52; AE 47; FMC 48</p>
.2 Compare the differences and similarities among rational, irrational, whole, integral, and natural numbers and represent these relationships using Venn diagrams.	<p><b>Student Edition:</b> 46</p> <p><b>Teacher Wraparound Edition:</b> FMC 48</p>
.3 Compare and order real numbers using $<$ , $\leq$ , $>$ , $\geq$ , $\_$ , and $=$ .	<p><b>Student Edition:</b> 49 Example 6, 50 Example 7, 50-51 #17-#21, #48-#55 <i>Practice Test</i> 65 #17-#20 <i>Study Guide and Review</i> 64 #58-#59 <i>Study Tip</i> 50</p> <p><b>Teacher Wraparound Edition:</b> AE 49 #6, 50</p>

STANDARDS	PAGE REFERENCES
.4 Compute a rational approximation for an irrational number.	<b>Student Edition:</b> 50 Example 7, 50 #21, 51 #54-#55 <i>Study Guide and Review</i> 64 #58-#59 <b>Teacher Wraparound Edition:</b> AE 50
.5 Use prime factors to find the greatest common factors (GCF) and least common multiple (LCM) of a set of monomials.	<b>Student Edition:</b> 421-422, 422-423 #5-#10, #19-#27, 614-619 <i>Mid-Chapter Quiz</i> 440 #6-#9 <i>Practice Test</i> 465 #3-#6, 637 #18-#21 <i>Spiral Review</i> 431 #47-#49, 439 #54-#56, 625 #44-#46, 632 #49-#51 <i>Study Guide and Review</i> 462 #15-#20, 636 11-9 <b>Teacher Wraparound Edition:</b> A 424; AE 422, 615-616; FMC 421; PAA 421, 619
<b>A1:2 Computation</b>	
.1 Add, subtract, multiply, and divide signed numbers and variables.	<b>Student Edition:</b> 10-14 <i>Prerequisite Skill</i> 696-697, 700-701 <b>Teacher Wraparound Edition:</b> A 14; AE 11-12
.2 Convert decimals, fractions, or percents to most useful form in various situations.	<b>Student Edition:</b> <i>Get Ready for the Lesson</i> 608 <i>Get Ready for the Next Lesson</i> 670, 676 <i>Prerequisite Skill</i> 702-703 <i>Quick Check</i> 641 #11-#14
.3 Write radicals in simplest radical form.	<b>Student Edition:</b> 528-534 <i>Mid-Chapter Quiz</i> 548 #1-#3 <i>Practice Test</i> 571 #1-#6 <i>Spiral Review</i> 540 #51-#56 <i>Study Guide and Review</i> 568 10-1 <b>Teacher Wraparound Edition:</b> A 534; AE 529-531
.4 Use a calculator to evaluate a numeric expression involving roots and exponents.	<b>Student Edition:</b> 10 Example 1, 12-13 <i>Graphing Calculator Lab</i> 535 <i>Study Guide and Review</i> 61 #12-#13, #19-#21 <i>Study Tip</i> 530 <b>Teacher Wraparound Edition:</b> AE 11 #1; EA 532, 497; TNT 12

STANDARDS	PAGE REFERENCES
<p><b>.5</b> Evaluate formulas including the quadratic formula, distance formula, slope and midpoint formulas.</p>	<p><b>Student Edition:</b>  118-119, 124-125, 167, 189-191, 198-199, 493-499, 510-514, 533 #50, 555-559  <i>Algebra Lab</i> 500-501  <i>Prerequisite Skills</i> 704-708  <b>Teacher Wraparound Edition:</b>  A 559, AE 119, 190, 494-496, 556</p>
<p><b>.6</b> Convert between scientific notation and standard decimal form.</p>	<p>Scientific notation is introduced and developed in <i>Math Connects: Concepts, Skills, and Problem Solving, Course 3</i> © 2009.</p>
<p><b>.7</b> Multiply and divide numbers written in scientific notation.</p>	<p>Scientific notation is introduced and developed in <i>Math Connects: Concepts, Skills, and Problem Solving, Course 3</i> © 2009.</p>
<p><b>.8</b> Identify the dimensions of a matrix.</p>	<p>Matrices are developed in <i>Algebra 2</i> © 2008.</p>
<p><b>.9</b> Add and subtract matrices.</p>	<p>Matrices are developed in <i>Algebra 2</i> © 2008.</p>
<p><b>.10</b> Multiply a matrix by a scalar.</p>	<p>Matrices are developed in <i>Algebra 2</i> © 2008.</p>
<p><b>.11</b> Use appropriate units to label solutions to application problems.</p>	<p>This standard can be found throughout the text. Below are some key examples.  <b>Student Edition:</b>  49 Real-World Example 5,  71 Real-World Example 2,  86 Real-World Example 3,  119 Real-World Example 4, 533 #45-#50, 544-545 #44-#45, #47-#49, #51-#52, #54-#56,  562 Real-World Example 3,  591 Real-World Example 3,  596 Real-World Example 3  <i>Standardized Test Practice</i> 137 #14, 183 #9, 353 #7, 522 #6, 594 #39  <b>Teacher Wraparound Edition:</b>  AE 49 #5, 71 #2, 119, 562, 591 #3, 596 #3</p>
<p><b>.12</b> Use unit analysis with standard and metric systems.</p>	<p><b>Student Edition:</b>  119, 119-120 #7, 591, 592-593 #7, #26-#29, 596, 597 #7-#8, #24-#27  <i>Study Guide and Review</i> 635 #27  <b>Teacher Wraparound Edition:</b>  AE 119, 591 #3, 596 #3; FMC 591; PE 119</p>

STANDARDS	PAGE REFERENCES
<p><b>.13</b> Evaluate and simplify algebraic expressions using order of operations.</p>	<p><b>Student Edition:</b>            10-14  <i>Get Ready for the Next Lesson</i> 37  <i>Mid-Chapter Quiz</i> 32 #7-#12  <i>Practice Test</i> 65 #4-#9  <i>Spiral Review</i> 20 #57-#59, 25 #45, 31 #55-#57, 52 #76-#77  <i>Study Guide and Review</i> 61 1-2  <b>Teacher Wraparound Edition:</b>            AE 11-12; FMC 11; TNT 12</p>
<p><b>A1:3 Geometry/Graphs</b></p>	
<p><b>.1</b> Compute area and perimeter or circumference of polygons and circles.</p>	<p><b>Student Edition:</b>            12 #13, 51 #61, 533 #50, 537 Example 3, 538-539 #9, #33, 552-553 #7, #29, #47  <i>Get Ready for the Next Lesson</i> 31  <i>Mid-Chapter Quiz</i> 548 #7-#8, #12  <i>Prerequisite Skills</i> 704-707  <i>Quick Check</i> 5 #10-#14  <i>Spiral Review</i> 84 #56  <i>Standardized Test Example</i> 550  <i>Standardized Test Practice</i> 14 #47, 467 #11c, 554 #51, 573 #10, 538 #2, #4, #9  <b>Teacher Wraparound Edition:</b>            AE 12, 537 #3, 550 #3</p>
<p><b>.2</b> Compute the surface area and volume of solid figures.</p>	<p><b>Student Edition:</b>            12 Example 4, 49 Real-World Example 5, 380 #53  <i>Algebra Lab</i> 365  <i>Mixed Problem Solving</i> 745 #2, #4, 750 #2, #13-#14  <i>Preparing for Standardized Tests</i> 764 #21  <i>Prerequisite Skills</i> 708  <i>Standardized Test Practice</i> 183 #9, 333 #41, 353 #7, 417 #11  <b>Teacher Wraparound Edition:</b>            AE 49 #5</p>

STANDARDS	PAGE REFERENCES
<p><b>.3</b> Use the Pythagorean theorem to determine the length of a side of a right triangle.</p>	<p><b>Student Edition:</b>            549-554  <i>Mixed Problem Solving</i> 753 #9  <i>Practice Test</i> 571 #13-#14  <i>Preparing for Standardized Tests</i> 767 #12, 768 #18, #20  <i>Spiral Review</i> 559 #47-#49  <i>Standardized Test Practice</i> 572 #5, 638 #9  <i>Study Guide and Review</i> 10-4</p> <p><b>Teacher Wraparound Edition:</b>            AE 550-551</p>
<p><b>.4</b> Determine if the coordinates of a point satisfy the equation of a graph.</p>	<p><b>Student Edition:</b>            160 #55, 254 Example 2, 255 Real-World Example 3  <i>Spreadsheet Lab</i> 252 #3</p> <p><b>Teacher Wraparound Edition:</b>            AE 255</p>
<p><b>.5</b> Find the distance between two points on a number line.</p>	<p>The following reference covers using a number line to add numbers and can be used to meet this objective.</p> <p><b>Student Edition:</b>  <i>Prerequisite Skills</i> 696</p>
<p><b>.6</b> Find the distance between two points on a coordinate plane.</p>	<p><b>Student Edition:</b>            555-559  <i>Practice Test</i> 571 #17-#19  <i>Spiral Review</i> 565 #37-#39  <i>Standardized Test Practice</i> 572 #2  <i>Study Guide and Review</i> 570 10-5</p> <p><b>Teacher Wraparound Edition:</b>            A 559; AE 556</p>
<p><b>.7</b> Determine the slope of a line given the graph or two points on the graph.</p>	<p><b>Student Edition:</b>            187-195, 196, 200 #1-#2, #12-#17  <i>Mid-Chapter Quiz</i> 212 #1-#6  <i>Practice Test</i> 247 #1-#5  <i>Spiral Review</i> 209 #52-#54  <i>Study Guide and Review</i> 243 4-1</p> <p><b>Teacher Wraparound Edition:</b>            AE 188-191, 197</p>

STANDARDS	PAGE REFERENCES
.8 Graph linear, quadratic, and absolute value equations and inequalities.	<p><b>Student Edition:</b>  157-158, 158-160 #7-#11, #24-#34, #38, #45-#50, #52-#53, 324, 325 #5-#6, #23-#30, 334-339, 471-477, 480-485  <i>Graphing Calculator Lab</i> 162-163, 328, 340, 470, 478-479  <i>Study Guide and Review</i> 179 #23-#27, 350 6-7, 518</p> <p><b>Teacher Wraparound Edition:</b>  AE 158, 324, 335-336, 472-474, 481-483</p>
.9 Classify graphs that are linear, quadratic, and absolute value equations or functions.	
.10 Explain how the graph of a line changes when the slope or y-intercept changes.	<p><b>Student Edition:</b>  202 #46-#49, 208 #45  <i>Graphing Calculator Lab</i> 197, 210-211</p> <p><b>Teacher Wraparound Edition:</b>  PAP 209</p>
<b>A1:4 Probability</b>	
.1 Create a sample space to illustrate all possible outcomes of a simple or compound event.	<p><b>Student Edition:</b>  650, 653 #1, #6-#7, #17  <i>Practice Test</i> 689 #3  <i>Standards Practice</i> 691 #12a</p> <p><b>Teacher Wraparound Edition:</b>  AE 651</p>
.2 Compute probability for simple and compound events.	<p><b>Student Edition:</b>  656-661, 663-670  <i>Mid-Chapter Quiz</i> 671 #11-#16  <i>Practice Test</i> 689 #8-#23, #25  <i>Spiral Review</i> 670 #54, 676 #25-#27, 683 #39-#43  <i>Standards Practice</i> 690-691 #5, #12  <i>Study Guide and Review</i> 686 12-4</p> <p><b>Teacher Wraparound Edition:</b>  A 670; AE 664-666; PAP 670</p>
.3 Solve probability problems represented as area models.	<p><b>Student Edition:</b>  669 #39-#42</p>

STANDARDS	PAGE REFERENCES
<b>A1:5 Statistics</b>	
.1 Construct tables, charts, scatter plots, and graphs from given data.	<b>Student Edition:</b> 229, 230-232 #3, #18, #23, #30, #35 <i>Algebra Lab</i> 228 <i>Graphing Calculator Lab</i> 203 #1, 515-516 #5 <i>Practice Test</i> 247 #21 <i>Standardized Test Practice</i> 248 #3 <i>Study Guide and Review</i> 246 #48 <b>Teacher Wraparound Edition:</b> AE 229; PAP 233
.2 Make predictions based on data from a table, chart or graph.	<b>Student Edition:</b> 230 Real-World Example 3, 230-232 #6, #13, #16, #21, #26, #35 <i>Algebra Lab</i> 59 #2, #5, 228 #3 <i>Graphing Calculator Lab</i> 234-235, 516 #7 <i>Study Guide and Review</i> 246 #51 <b>Teacher Wraparound Edition:</b> AE 230
.3 Compute mean, median, and mode for a set of data.	<b>Student Edition:</b> <i>Prerequisite Skills</i> 711-713
.4 Compute the range of a set of data.	<b>Student Edition:</b> <i>Prerequisite Skills</i> 713 #2
.5 Represent data in a matrix.	
.6 Estimate a line of best fit for a given set of data.	<b>Student Edition:</b> 228-229, 230-232 #4, #12, #15, #19, #24, #30 <i>Algebra Lab</i> 228 #2 <b>Teacher Wraparound Edition:</b> AE 229
<b>A1:6 Problem Solving</b>	
.1 Use various problem solving strategies including estimation, systematic lists, diagrams, patterns, guess and check, working backward, and solving a simpler problem.	<b>Student Edition:</b> 71, 75 #43, 92, 94, 172-174, 421 Method 2, 482, 627-628 Example 4, 650, 655 <i>Reading Math</i> 171 <b>Teacher Wraparound Edition:</b> AE 71, 173-174, 482 #5, 628, 651, 656 #1

STANDARDS	PAGE REFERENCES
<p><b>.2</b> Check the reasonableness of answers using estimation.</p>	<p>The following references cover checking solutions and can be used to meet this objective.</p> <p><b>Student Edition:</b>  80 Example 2, 81 #1-#11, 87 Example 4, 92 Example 1, 94 Example 4, 172-173 Example 1, 215 Real-World Example 3, 311 #1-#4, 443 Example 3  <i>Graphing Calculator Lab</i> 197 #2-#3  <i>Study Tip</i> 80, 399, 615</p> <p><b>Teacher Wraparound Edition:</b>  AE 80 #2, 87 #4, 93 #1, 443 #3; EA 90, 170</p>
<p><b>.3</b> Write equations and inequalities to represent word problems.</p>	<p><b>Student Edition:</b>  71 Example 2, 73-75 #5, #19-#22, #41-#42, 80-81 Examples 4 and 5, 81-82 #10-#12, #27-#32, 296 Real-World Example 4, 297 #9-#11, #30-#36, 302 Real-World Example 1, 305-306 #12, #33-#34  <i>Standardized Test Example</i> 304  <i>Standardized Test Practice</i> 84 #53, 307 #56</p> <p><b>Teacher Wraparound Edition:</b>  AE 71 #2, 80 #4, 81, 296 #4, 302, 304 #4</p>
<p><b>.4</b> Graph and compare functions with and without a graphing calculator.</p>	<p><b>Student Edition:</b>  157-158, 205-206, 471-477, 480-485, 502-508  <i>Graphing Calculator Lab</i> 162-163, 210-211, 219, 328, 470, 478-479, 547  <i>Study Guide and Review</i> 179 #23-#27, 244 #27-#30, 518 9-1</p> <p><b>Teacher Wraparound Edition:</b>  AE 158, 205 #3, 206, 472-474, 481-483</p>
<p><b>.5</b> Enter and run a simple program using a graphing calculator or computer.</p>	<p>Computers are used in the following references and can be used to meet this objective.</p> <p><b>Student Edition:</b>  <i>Spreadsheet Lab</i> 129, 252</p>
<p><b>.6</b> Create a spreadsheet (such as a table of function values) to display information.</p>	<p><b>Student Edition:</b>  <i>Spreadsheet Lab</i> 129, 252</p>

STANDARDS	PAGE REFERENCES
<p><b>.7</b> Select and use appropriate method for computing: estimation, mental math, pencil and paper, calculator, or computer.</p>	<p>The following references are examples of this objective that is performed throughout the text.</p> <p><b>Student Edition:</b>            27 Example 2, 34 Example 2,            118 Real-World Example 3,            188 Real-World Example 2,            215 Real-World Example 3, 360 Example 3,            486 Example 1, 493-494 Example 1,            510-511 Example 1, 536 Example 1,            550 Example 2, 591 Real-World Example 3,            621 Real-World Example 2, 657 Example 3  <i>Get Ready for the Next Lesson</i> 90  <i>Spreadsheet Lab</i> 129</p> <p><b>Teacher Wraparound Edition:</b>            EA 88, 497, I 28; TNT 37</p>
<b>P:7 Algebra</b>	
<p><b>.1</b> Use correct algebraic vocabulary and notation in both written and oral communication.</p>	<p>The following references are examples of this objective that is performed throughout the text.</p> <p><b>Student Edition:</b>            7 Example 1, 160 #55, 257 #40, 319 #42-#44,            363 #56, 394 #62-#64, 430 #40, 618 #51, 669 #43  <i>Reading Math</i> 374, 566, 600  <i>Writing in Math</i> 9 #45, 319 #50, 559 #44</p> <p><b>Teacher Wraparound Edition:</b>            A 14, 84, 460, 546; T 204</p>
<p><b>.2</b> Write clear, step-by-step solutions to problems.</p>	<p>The following references are examples of this objective that is performed throughout the text.</p> <p><b>Student Edition:</b>            10 Example 1, 23 #18-#23, 30 #44, 80 Example 4,            96 #44, 117 Example 1, 257 #40, 270 #31,            312 #32-#33, 390 Example 1, 431 #43, 477 #49,            498 #44, 529 Example 3, 559 #43,            591 Real-World Example 3  <i>Standardized Test Practice</i> 103 #49</p> <p><b>Teacher Wraparound Edition:</b>            A 103, 265, 632</p>

STANDARDS	PAGE REFERENCES
<p><b>.3</b> Apply the properties of real numbers to simplify expressions.</p>	<p><b>Student Edition:</b>  26-31, 33-37  <i>Mid-Chapter Quiz</i> 32 #22  <i>Practice Test</i> 65 #4-#5  <i>Reading Math</i> 38  <i>Spiral Review</i> 37 #50-#55, 44 #50-#52, 52 #73-#75  <i>Standardized Test Practice</i> 66 #2  <i>Study Guide and Review</i> 63 1-5 and 1-6  <b>Teacher Wraparound Edition:</b>  A 31; AE 28, 35</p>
<p><b>.4</b> Solve linear equations and inequalities in one variable.</p>	<p><b>Student Edition:</b>  78-84, 85-90, 92-97, 98-103  <i>Algebra Lab</i> 77, 91  <i>Mid-Chapter Quiz</i> 104 #7-#26  <i>Standardized Test Practice</i> 136 #2-#4. #7-#8  <i>Study Guide and Review</i> 131 2-2, 132, 133 2-5  <b>Teacher Wraparound Edition:</b>  A 90, 103; AE 79-81, 86-87, 93-94, 99-100;  PAP 90, 94</p>
<p><b>.5</b> Solve a literal equation or formula for a given variable.</p>	<p><b>Student Edition:</b>  117-121  <i>Practice Test</i> 135 #22-#23  <i>Spiral Review</i> 128 #42-#43  <i>Study Guide and Review</i> 134 2-8  <b>Teacher Wraparound Edition:</b>  A 121; AE 118-119; PAP 121</p>
<p><b>.6</b> Convert a linear equation to slope-intercept form and graph it.</p>	<p><b>Student Edition:</b>  205 Example 3b, 207-208 #7-#8, #29-#32,  222 Example 4, 223-224 #7-#9, #28-#35, #37, #40,  #45-#49  <i>Practice Test</i> 247 #9-#10  <i>Spiral Review</i> 218 #43-#44  <i>Study Guide and Review</i> 244-245 #29-#30,  #45-#46  <b>Teacher Wraparound Edition:</b>  AE 205 #3b, 222 #4</p>

STANDARDS	PAGE REFERENCES
<p><b>.7</b> Simplify expressions containing exponents and radicals.</p>	<p><b>Student Edition:</b>            29 Example 4b, 29-30 #10, #30-#31, #40-#41, 36 #27-#28, 359-362, 390 Example 2, 392-393 #7-#8, #27-#31, #48-#49, 528-534, 536-540  <i>Standardized Test Practice</i> 66 #2, 416 #1  <i>Study Guide and Review</i> 63 #48, 411, 568  <b>Teacher Wraparound Edition:</b>            A 534; AE 28 #4b, 359-361, 391 #2, 529-531, 537</p>
<p><b>.8</b> Add, subtract, multiply and divide polynomials.</p>	<p><b>Student Edition:</b>            358-363, 366-373, 384-388, 390-395, 398-403, 404-409  <i>Algebra Lab</i> 382-383, 396-397  <i>Study Guide and Review</i> 411-414  <b>Teacher Wraparound Edition:</b>            A 364, 409; AE 359 #2, 360-361, 367-370, 385, 391, 399-400, 405-406; PAP 395</p>
<p><b>.9</b> Classify polynomials by degree and by number of terms.</p>	<p><b>Student Edition:</b>            376-381  <i>Mid-Chapter Quiz</i> 389 #12-#15  <i>Practice Test</i> 415 #9-#10  <i>Spiral Review</i> 388 #45-#46, 395 #72-#75  <i>Study Guide and Review</i> 412 7-3  <b>Teacher Wraparound Edition:</b>            A 381; AE 377-378</p>
<p><b>.10</b> Use a variety of techniques to factor polynomial expressions, including the greatest common factor, difference of two squares, perfect square trinomial, grouping, and trial and error.</p>	<p><b>Student Edition:</b>            420-423, 426-431, 434-439, 441-446, 447-452, 454-460  <i>Algebra Lab</i> 425, 432-433  <i>Study Guide and Review</i> 462-464  <b>Teacher Wraparound Edition:</b>            A 424, 452; AE 421-422, 427-428, 435-437, 442-443, 448-450, 455-457; DI 442; PAP 421, 460</p>
<p><b>.11</b> Simplify, add, subtract, multiply, and divide rational expressions.</p>	<p><b>Student Edition:</b>            590-593, 595-599, 608-613, 614-619, 620-625  <i>Practice Test</i> 637 #12-#19  <i>Spiral Review</i> 632 #46-#51  <i>Study Guide and Review</i> 634-636 11-3, 11-4, 11-6, 11-7, and 11-8  <b>Teacher Wraparound Edition:</b>            A 613; AE 591, 596, 609-610, 615-616, 621-622; PAP 613, 619</p>

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.12 Simplify complex fractions.	<p><b>Student Edition:</b>  621-625  <i>Practice Test</i> 637 #9-#11  <i>Spiral Review</i> 632 #46-#48  <i>Study Guide and Review</i> 636 #45-# 46</p> <p><b>Teacher Wraparound Edition:</b>  AE 621 #2, 622</p>
.13 Solve problems using ratio and proportion.	<p><b>Student Edition:</b>  105-110, 111-115, 187-195, 561-565, 578-579  <i>Practice Test</i> 135 #15-#21  <i>Reading Math</i> 116  <i>Spiral Review</i> 115 #45-#47, 121 #41-#44,  128 #44-#46  <i>Standardized Test Practice</i> 136-137 #1, #9,  #12-#13  <i>Study Guide and Review</i> 133 2-6 and 2-7</p> <p><b>Teacher Wraparound Edition:</b>  A 110; AE 106-107, 112-113; PAP 112</p>
.14 Solve systems of linear equations using the addition method, substitution method, and by graphing.	<p><b>Student Edition:</b>  253-258, 260-265, 266-270, 280-284  <i>Graphing Calculator Lab</i> 259  <i>Mid-Chapter Quiz</i> 271  <i>Practice Test</i> 289  <i>Spreadsheet Lab</i> 252  <i>Standardized Test Practice</i> 290-291 #4-#6, #10  <i>Study Guide and Review</i> 286-288</p> <p><b>Teacher Wraparound Edition:</b>  A 265; AE 254-255, 261-262, 267-268, 281-282;  PAP 265, 270</p>
.15 Solve systems of inequalities by graphing.	<p><b>Student Edition:</b>  341-345  <i>Graphing Calculator Lab</i> 340 #3  <i>Practice Test</i> 351 #22-#24  <i>Standardized Test Practice</i> 353 #9  <i>Study Guide and Review</i> 350 6-8</p> <p><b>Teacher Wraparound Edition:</b>  A 345; AE 342-343</p>

STANDARDS	PAGE REFERENCES
<p><b>.16</b> Solve absolute value equations and inequalities.</p>	<p><b>Student Edition:</b>            322-327, 329-333  <i>Graphing Calculator Lab</i> 328  <i>Practice Test</i> 351 #6-#7, #10-#13  <i>Spiral Review</i> 339 #44-#45  <i>Study Guide and Review</i> 349  <b>Teacher Wraparound Edition:</b>            AE 323-324, 330-331</p>
<p><b>.17</b> Find the union and intersection of sets using methods that include Venn diagrams and number-line intervals.</p>	<p><b>Student Edition:</b>            43 #40-#42            315-320  <i>Mid-Chapter Quiz</i> 321 #27-#30  <i>Practice Test</i> 351 #8-#9  <i>Study Guide and Review</i> 348  <b>Teacher Wraparound Edition:</b>            A 320; AE 316-317</p>
<p><b>.18</b> Solve problems containing "and" or "or" statements.</p>	<p><b>Student Edition:</b>            315-319, 663-669  <i>Mid-Chapter Quiz</i> 321 #27-#30  <i>Practice Test</i> 351 #8-#9  <i>Reading Math</i> 314  <i>Study Guide and Review</i> 348  <b>Teacher Wraparound Edition:</b>            A 320; AE 316-317</p>
<p><b>.19</b> Solve quadratic equations by factoring and using the Zero Product Property.</p>	<p><b>Student Edition:</b>            428-431, 436-439, 443-446, 449-452, 456-460  <i>Reading Math</i> 453  <i>Spiral Review</i> 439 #51-#53, 446 #49-#51, 452 #45-#47  <i>Study Guide and Review</i> 462-464 #28-#31, #36-#38, #43-#45, #50-#54, #59-#63  <b>Teacher Wraparound Edition:</b>            AE 428, 436 #4, 437, 443, 449 #4, 450, 456 #3, 457</p>

STANDARDS	PAGE REFERENCES
<p><b>.20</b> Solve quadratic equations using the quadratic formula.</p>	<p><b>Student Edition:</b>            493-499  <i>Algebra Lab</i> 500-501  <i>Practice Test</i> 521 #10-#17  <i>Spiral Review</i> 508 #50-#52, 514 #24-#26  <i>Study Guide and Review</i> 519 9-4  <b>Teacher Wraparound Edition:</b>            AE 494-496</p>
<p><b>.21</b> Solve equations involving rational expressions and/or radicals.</p>	<p><b>Student Edition:</b>            541-546, 626-632  <i>Mid-Chapter Quiz</i> 548 #19-#20  <i>Practice Test</i> 571 #7-#12, 637 #20-#21  <i>Spiral Review</i> 554 #53-#55, 559 #50-#52  <i>Standardized Test Practice</i> 573 #8, 639 #7  <i>Study Guide and Review</i> 569 10-3, 636 11-9  <b>Teacher Wraparound Edition:</b>            A 632; AE 542, 627-629; PAP 632</p>
<p><b>.22</b> Write an equation for a line given its graph, a description of its graph, or a set of data.</p>	<p><b>Student Edition:</b>            172-176, 213-218, 220-225, 236-241  <i>Practice Test</i> 247 #6, #15-#20  <i>Spiral Review</i> 225 #62, 233 #38-#41, 241 #39-#41  <i>Standardized Test Practice</i> 176 #28, 218 #40, 233 #37, 249 #7, #9  <i>Study Guide and Review</i> 180, 244-246 #32-#38, #39-#42, #47, #53-#56  <b>Teacher Wraparound Edition:</b>            A 225; AE 173-174, 214, 221-222 #1-#2, #5, 237-239 #1, #3-#4</p>
<p><b>.23</b> Determine the values of unknown variables given equal matrices.</p>	
<p><b>.24</b> Determine whether a given relation is a function.</p>	<p><b>Student Edition:</b>            149-150, 152-153 #1-#6, #18-#26, #45-#48  <i>Mid-Chapter Quiz</i> 164 #12-#13  <i>Practice Test</i> 181 #4-#6  <i>Standardized Test Practice</i> 154 #54, 183 #12a  <i>Study Guide and Review</i> 178 #15-#16  <b>Teacher Wraparound Edition:</b>            AE 150</p>

STANDARDS	PAGE REFERENCES
<p><b>.25</b> Identify the domain and range from the graph of a function, relation, or a set of ordered pairs.</p>	<p><b>Student Edition:</b>            55, 56-58 #8, #23, #27, 144, 146-147 #1-#3, #8-#13, #14, #18, #21, #28-#29, #31-#32, 472 Real-World Example 2  <i>Mid-Chapter Quiz</i> 164 #1-#6  <i>Spiral Review</i> 218 #48-#49  <i>Standardized Test Practice</i> 58 #30, 148 #37  <i>Study Guide and Review</i> 178 #11-#13  <b>Teacher Wraparound Edition:</b>            AE 56 #1A, 144-145 #1 and #2, 472 #2</p>
<p><b>.26</b> Write an equation or rule from a set of paired data.</p>	<p><b>Student Edition:</b>            172-176, 214, 216-217 #7, #18-#25, #30-#32  <i>Spiral Review</i> 225 #62  <i>Standardized Test Practice</i> 176 #28, 218 #40  <i>Study Guide and Review</i> 180, 244 4-4  <b>Teacher Wraparound Edition:</b>            A 176; AE 173-174, 214 #2</p>
<p><b>.27</b> Evaluate an equation expressed in function notation.</p>	<p><b>Student Edition:</b>            150-151, 152-153 #7-#13, #27-#39  <i>Mid-Chapter Quiz</i> 164 #9-#11  <i>Practice Test</i> 181 #7-#10, #13  <i>Spiral Review</i> 161 #64-#67  <i>Study Guide and Review</i> 178 #17-#19  <b>Teacher Wraparound Edition:</b>            AE 151 #3-#4</p>
<p><b>.28</b> Solve real world problems by applying the concepts and skills of algebra</p>	<p>The following references are examples of this objective that is performed throughout the text.  <b>Student Edition:</b>            17 Real-World Example 4, 36 #42-#43, 81 Real-World Example 5, 153 #39-#42, 188 Real-World Example 2, 274-275, 317 #7, 372 #42-#44, 437 Real-World Example 5, 539 #40-#41, 556 Real-World Example 2  <i>Algebra Lab</i> 500-501  <i>Graphing Calculator Lab</i> 515  <i>Spreadsheet Lab</i> 252  <b>Teacher Wraparound Edition:</b>            AE 93 #3, 302, 591; RWC 20, 231, 669</p>