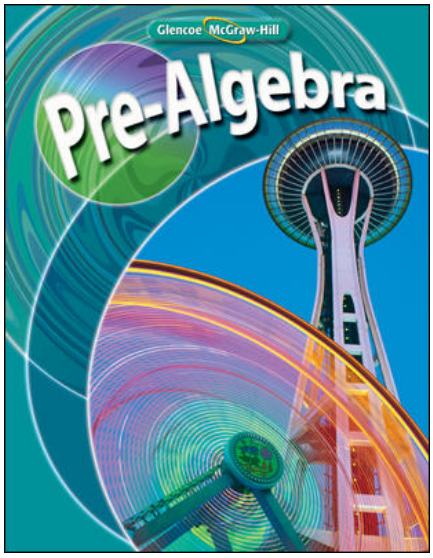
Anchorage School District/Alaska
Sr. High Math Performance Standards
Pre-Algebra



Pre-Algebra

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STANDARDS		PAGE REFERENCES
PRE-ALGEBRA PERFORMANCE STANDARDS		
P: 1 Estimation		
.1	Use estimation to check the reasonableness of answers involving real numbers.	**Student Edition:** 239-240, 322-323, 327-329 *Check Your Understanding* 329 #5-#9 *Exercises* 330-331 #10-#56 *Real World Examples* 328 #3 *Standardized Test Practice* 331 #44-#45 **Teacher Wraparound Edition:** A 331; AE 240, 328, 329; FA 329
.2	Explain when an estimate is appropriate and when an exact answer is needed.	**Student Edition:** 327-329 *Check Your Understanding* 329 #5-#9 *Exercises* 330-331 #10-#56 *Real World Examples* 328 #3 *Standardized Test Practice* 331 #44-#45 **Teacher Wraparound Edition:** A 331; AE 328, 329; FA 329

Codes used for Teacher Wraparound Edition pages are the initial caps of headings on that page.

STANDARDS	PAGE REFERENCES
.3 Use estimation to check calculator or computer accuracy.	**Student Edition:** 465-466 *Check Your Understanding* 466 #4-#7 *Exercises* 467 #29-#30 *Graphing Calculator Lab* 643 #1-#5 *Spreadsheet Lab* 168 #1-#5 **Teacher Wraparound Edition:** A 643; AE 465; FA 466
.4 Estimate the square root of a number. .	**Student Edition:** 464-466 *Check Your Understanding* 466 #1-#8 *Exercises* 467-468 #9-#50 *Real World Examples* 466 #4 *Standardized Test Practice* 468 #51-#52 **Teacher Wraparound Edition:** A 468; AE 465, 466; FA 466
.5 Select appropriate scales or graphing windows for graphing data	**Student Edition:** 61-63, 651-653, 659-661 *Check Your Understanding* 63-64 #1-#5, 654 #1-#3, 661 #1-#4 *Exercises* 64-65 #6-#27, 654-655 #4-#19, 662-663 #5-#15 *Real World Examples* 651 #1 *Standardized Test Practice* 653 #2, 663 #16 **Teacher Wraparound Edition:** A 65, 654, 663; AE 62, 63, 64, 652, 653, 660, 661; FA 64, 661
P:2 Number Sense	
.1 Convert between fractions, decimals, and percents.	**Student Edition:** 288-231, 313-315 *Check Your Understanding* 231 #1-#14, 316 #1-#17 *Exercises* 231-233 #15-#61, 316-317 #18-#62 **Teacher Wraparound Edition:** A 233, 318; AE 229, 230, 231, 314, 315; FA 231, 316

STANDARDS	PAGE REFERENCES
.2 Compare and order real numbers using >, ³, <, ², =, and _.	**Student Edition:** 78-80, 180-182, 230-231, 742 *Check Your Understanding* 80 #1-#15, 182 #1-#13, 231 #11-#14 *Exercises* 81-83 #16-#75, 182-183 #14-#61, 232 #29-#53 *Real World Examples* 231, 233 #62-#63 **Teacher Wraparound Edition:** A 83; AE 79, 80, 181, 230, 231; FA 81, 181
.3 Simplify expressions using rules of divisibility.	**Student Edition:** 129-131, 740-741 *Check Your Understanding* 131 #1-#13 *Exercises* 131-133 #14-#59 **Teacher Wraparound Edition:** A 133; AE 130, 131; FA 131, 133
.4 Write the prime factorization of a number using exponents.	**Student Edition:** 186-188 *Check Your Understanding* 188 #1-#10 *Exercises* 189-190 #11-#50 *Standardized Test Practice* 190 #51-#52 **Teacher Wraparound Edition:** A 190; AE 187, 188; FA 188
.5 Find greatest common factors (GCF) and least common multiples (LCM) using prime factorization.	**Student Edition:** 191-193, 257-259 *Check Your Understanding* 193 #1-#13, 259 #1-#13 *Exercises* 194-195 #14-#77, 260-261 #14-#61 **Teacher Wraparound Edition:** A 195, 260; AE 192, 193, 258, 259; FA 193, 259
.6 Solve problems using ratio, proportion, percent, and unit pricing.	**Student Edition:** 292-294, 297-298, 313-315, 322-324 *Check Your Understanding* 294 #1-#12, 298 #1-#3, 316 #1-#17, 324 #1-#9 *Exercises* 295-296 #13-#50, 299-300 #4-#23, 316-317 #18-#62, 325-326 #10-#35 **Teacher Wraparound Edition:** A 296, 299, 318, 325; AE 293, 294, 298, 314, 315, 323, 324; FA 294, 299, 316, 324

STANDARDS	PAGE REFERENCES
.7 Solve problems using equivalent fractions, decimals, or percents.	**Student Edition:** 288-231, 313-315 *Check Your Understanding* 231 #1-#14, 316 #1-#17 *Exercises* 231-233 #15-#61316-317 #18-#62 **Teacher Wraparound Edition:** A 233, 318; AE 229, 230, 231, 314, 315; FA 231, 316
.8 Explain and use a variety of problem solving strategies.	**Student Edition:** 1-13, 26-28 *Check Your Understanding* 29 #1-#7 *Exercises* 11 #1-#3, 29-30 #8-#28 *Practice* 3 #1-#6, 4 #1-#4, 5 #1-#, 6 #1-#7, 7 #1-#6, 8 #1-#6, 9 #1-#5, 13 #1-#10 *Real World Examples* 2, 4, 5, 6, 7, 8, 9 *Standardized Test Practice* 30 #29-#30 **Teacher Wraparound Edition:** A 30; AE 27, 28; FA 28
.9 Perform simple operations in other number systems and bases.	**Student Edition:** 185 *Algebra Lab* 185 **Teacher Wraparound Edition:** A 185
P:3 Concept of Number Operations	
.1 Use appropriate vocabulary for effective communication in mathematics.	Appropriate vocabulary is stressed throughout the book. Basics of communication are stressed in the following sections can be used to meet this objective. **Student Edition:** *Study Guide and Review* 69, 116, 169, 219, 281, 348, 408, 451, 503, 564, 615, 690, 732 **Teacher Wraparound Edition:** FA 69, 116, 169, 219, 281, 348, 408, 451, 503, 564, 615, 690, 732
.2 Use manipulatives, diagrams, symbols, and words to demonstrate addition, subtraction, multiplication, and division of real numbers.	**Student Edition:** 86-88, 93-95, 100-102, 106-108 *Check Your Understanding* 89 #1-#12, 95 #1-#13, 102 #1-#16, 109 #1-#9 *Exercises* 89-90 #13-#52, 95-97 #14-#61, 103-104 #17-#61, 109-110 #10-#37, 189 #47 *Standardized Test Practice* 90 #53-#54, 95 #62-#63, 104 #62-#63, 110 #38-#39 **Teacher Wraparound Edition:** A 84, 90, 97, 103, 110; AE 87, 88, 94, 95, 101, 102, 107, 108, 187; FA 92, 95, 99, 102, 105, 108

STANDARDS	PAGE REFERENCES
.3 Use identity and inverse properties of addition and multiplication to solve problems. .	**Student Edition:** 84-85, 245-247 *Algebra Lab* 84-85 *Check Your Understanding* 248 #1-#16 *Exercises* 85 #12, 248-249 #17-#54 **Teacher Wraparound Edition:** FA 85, 246, 247
4 Use commutative and associative properties of addition and multiplication to solve problems.	**Student Edition:** 43-45, 100, 203-204 *Check Your Understanding* 46 #1-#15, 205 #1-#10 *Exercises* 46-47 #16-#52, 206 #11-#22, #38, #41, #42 *Standardized Test Practice* 47 #53-#54 **Teacher Wraparound Edition:** A 46, 207; AE 44, 45, 204; FA 46
.5 Use the distributive property of multiplication over addition to solve problems.	**Student Edition:** 124-126, 424-426 *Check Your Understanding* 126 #1-#14, 426 #1-#11 *Exercises* 127-128 #15-#62, 427 #12-#41 *Standardized Test Practice* 128 #63-#64, 428 #42-#43 **Teacher Wraparound Edition:** A 128, 428; AE 125, 126, 425, 426; FA 126, 426
.6 Solve one and two step equations using the properties of equality and check the solutions.	**Student Edition:** 136-138, 141-143, 147-149, 153-155 *Check Your Understanding* 139 #1-#8, 143 #1-#7, 149 #1-#10, 155 #1-#5 *Exercises* 139-140 #9-#42, 144-145 #8-#48, 150 #11-#51, 155-157 #6-#26 **Teacher Wraparound Edition:** A 145, 151, 157; AE 137, 138, 142, 143, 148, 149, 154, 155; FA 138, 149
.7 Solve one and two step inequalities using the properties of inequality and check the solutions.	**Student Edition:** 441-443, 446-448 *Check Your Understanding* 444 #1-#10, 448 #1-#9 *Exercises* 444-445 #11-#41, 448-449 #10-#42 *Practice Test* 455 #1-#25 *Study Guide and Review* 452-454 #1-#52 *Standardized Test Practice* 444-445 #42-#44 **Teacher Wraparound Edition:** A 444; AE 442, 43, 447; FA 444, 448

STANDARDS	PAGE REFERENCES
.8 Convert between standard and scientific notation using both negative and positive exponents.	**Student Edition:** 214-216 *Check Your Understanding* 216 #1-#8 *Exercises* 216-218 #9-#45 *Practice Test* 223 #21-#28 *Standardized Test Practice* 218 #46-#48, 224 #2, #5 **Teacher Wraparound Edition:** A 218; AE 215, 216; FA 216
P:4 Computation	
.**1** Add, subtract, multiply and divide fractions, decimals and integers with and without a calculator.	**Student Edition:** 86-88, 93-95, 100-102, 106-108, 239-241, 245-247, 250-252, 744-749 *Algebra Lab* 84-85, 92, 99, 105 *Check Your Understanding* 89 #1-#12, 95 #1-#13, 102 #1-#16, 109 #1-#9, 242 #1-#17, 248 #1-#16, 252 #1-#14 *Exercises* 89-90 #13-#52, 95-97 #14-#61, 103-104 #17-#61, 109-110 #10-#37, 242-244 #18-#67, 248-249 #17-#54, 252-254 #15-#56 *Graphing Calculator Lab* 67 **Teacher Wraparound Edition:** A 85, 90, 97, 99, 104, 110, 244, 249, 254; AE 87, 88, 94, 95, 101, 102, 107, 108, 240, 241, 246, 247, 251, 252; FA 88, 92, 99, 108, 242, 247, 252
.2 Write and solve problems involving order of operations.	**Student Edition:** 32-34, 180-182 *Check Your Understanding* 34 #1-#14, 182 #1-#13 *Exercises* 34-36 #15-#52, 182-184 #14-# #67 **Teacher Wraparound Edition:** A 36, 184; AE 33, 34, 181, 182; FA 34, 36, 182
.3 Solve problems using percent of increase and decrease.	**Student Edition:** 338-340 *Check Your Understanding* 340 #1-#6 *Exercises* 341-342 #7-#25 *Spiral Review* 347 #21, #28 *Standardized Test Practice* 342 #26-#27 *Study Guide and Review* 352 #54-#58

STANDARDS	PAGE REFERENCES
.4 Perform basic operations on expressions involving exponents and square roots.	**Student Edition:** 180-182, 209-210, 486-487, 492-494 *Check Your Understanding* 182 #1-#13, 211 #1-#13, 488 #1-#7, 494 #1-#4 *Exercises* 182-184 #14-#67, 211-212 #14-#61, 489 #20-#41, 494-496 #5-#26 *Real World Examples* 496 #27-#28 *Standardized Test Practice* 184 #68-#69 **Teacher Wraparound Edition:** A 184, 213, 490; AE 181, 182, 210, 211, 486, 487, 493, 494; FA 182, 211, 488, 494
.5 Simplify expressions involving absolute value of real numbers.	**Student Edition:** 79-80 *Check Your Understanding* 81 #1-#15 *Exercises* 81-82 #16-#75, 89 #43-#45 *Mid-Chapter Quiz* 98 #6, #12, #13 *Spiral Review* 97 #65 **Teacher Wraparound Edition:** A 83; AE 80; FA 81
.6 Solve problems with real numbers using paper and pencil, mental math, and a calculator.	**Student Edition:** 45, 186-187, 228-229, 313-315 *Check Your Understanding* 46 #7-#10, 316 #1-#17 *Examples* 45 #2-#3 *Exercises* 46 #26-#33, 104 #60, 127 #54-#57, 316-317 #18-#62 **Teacher Wraparound Edition:** AE 45, 187, 229, 314, 315; FA 46
P:5 Geometry	
.1 Identify, classify and compare triangles and quadrilaterals.	**Student Edition:** 476-478, 532-534 *Check Your Understanding* 479 #1-#9, 534 #1-#5 *Exercises* 479-481 #10-#49, 534 #6-#31 *Standardized Test Practice* 481 #50-#51, 536 #32-#33 **Teacher Wraparound Edition:** A 481; AE 477, 478, 533, 534; FA 479, 534
.2 Identify, classify and compare regular and irregular polygons.	**Student Edition:** 539-541 *Check Your Understanding* 541 #1-#5 *Exercises* 542-543 #6-#35 **Teacher Wraparound Edition:** A 543; AE 540, 541; FA 541

STANDARDS	PAGE REFERENCES
.3 Identify, classify and compare simple polyhedra.	**Student Edition:** 575-578 *Check Your Understanding* 578 #1-#6 *Exercises* 579-580 #7-#32 **Teacher Wraparound Edition:** A 581; AE 576, 577; FA 578
.4 Construct or draw geometric figures in two-dimensions and three-dimensions.	**Student Edition:** 575-578 *Check Your Understanding* 578 #1-#6 *Exercises* 579-580 #7-#32 *Geometry Lab* 574 *Standardized Test Practice* 581 #33-#34 **Teacher Wraparound Edition:** A 581; AE 576, 577; FA 578
.5 Create three-dimensional models from two-dimensional views.	**Student Edition:** 575-578 *Check Your Understanding* 578 #1-#6 *Exercises* 579-580 #7-#32 *Geometry Lab* 574 *Standardized Test Practice* 581 #33-#34 **Teacher Wraparound Edition:** A 581; AE 576, 577; FA 578
.6 Solve problems using the relationships of angles formed by parallel, perpendicular and intersecting lines.	**Student Edition:** 512-515 *Check Your Understanding* 515 #1-#7 *Exercises* 516-517 #8-#36 *Standardized Test Practice* 517 #37-#38 **Teacher Wraparound Edition:** A 517; AE 513, 514, 515; FA 515
.7 Describe the relationship of angles in different types of polygons.	**Student Edition:** 539-541 *Check Your Understanding* 541 #4-#5 *Exercises* 542 #12-#23, #28, 543 #31-#34 **Teacher Wraparound Edition:** A 543; AE 541

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.8 Identify corresponding parts in similar and congruent geometric figures.	**Student Edition:** 497-499, 518-520, 608-611 *Check Your Understanding* 500 #1-#4, 521 #1-#5, 611 #1-#8 *Exercises* 500-502 #5-#28, 521-523 #6-#24, 611-613 #9-#31 *Standardized Test Practice* 502 #29-#30, 523 #25-#26 **Teacher Wraparound Edition:** A 502, 523, 613; AE 498, 499, 519, 520, 609, 610; FA 500, 521, 611
.9 Find missing angles or sides of figures using similarity and congruence.	**Student Edition:** 497-499, 518-520 *Check Your Understanding* 500 #1-#4, 521 #1-#5 *Exercises* 500-502 #5-#28, 521-523 #6-#24 *Standardized Test Practice* 502 #29-#30, 523 #25-#26 **Teacher Wraparound Edition:** A 502, 523; AE 498, 499, 519, 520; FA 500, 521
.10 Describe the symmetry found in various figures.	Symmetry can be described and taught using the following sections on triangles, simple polyhedra, and congruence. **Student Edition:** 476-478, 518-520, 575-578 *Check Your Understanding* 479 #1-#9, 521 #1-#5, 578 #1-#6 *Exercises* 479-481 #10-#49, 521-523 #6-#24, 579-580 #7-#32 *Standardized Test Practice* 481 #50-#51, 523 #25-#26 **Teacher Wraparound Edition:** A 481, 523, 581; AE 477, 478, 519, 520, 576, 577; FA 479, 521, 578
.11 Identify and graph reflections, rotations and translations on the Cartesian plane and describe these transformations in words and symbols.	**Student Edition:** 524-527 *Check Your Understanding* 527 #1-#4 *Exercises* 528-529 #5-#32 *Geometry Lab* 531 *Standardized Test Practice* 529 #33 **Teacher Wraparound Edition:** A 530, 531; AE 525, 526, 527; FA 527

STANDARDS	PAGE REFERENCES
.12 Find the perimeter and area of various polygons.	**Student Edition:** 163-164, 545-548 *Check Your Understanding* 164 #2-#5, 548-549 #8-#33 *Exercises* 165 #9-#24, 548-549 #8-#33 *Real World Examples* 549 #34-#35 *Spreadsheet Lab* 563 **Teacher Wraparound Edition:** A 550; AE 163, 546, 547, 548; FA 548, 563
.13 Find the circumference and area of any circle.	**Student Edition:** 551-553 *Check Your Understanding* 554 #1-#6 *Exercises* 554-556 #7-#39 *Real World Examples* *Standardized Test Practice* 556 #40-#41 **Teacher Wraparound Edition:** A 556; AE 552, 553; FA 554
.14 Find the surface area and volume of various polyhedra. .	**Student Edition:** 583-585, 589-591, 597-599 *Check Your Understanding* 586 #1-#8, 592 #1-#8, 600 #1-#6 *Exercises* 586-588 #9-#35, 592-594 #9-#40, 600-601 #7-#25 *Geometry Lab* 582, 596 *Standardized Test Practice* 588 #36-#39, 594 #41-#42, 601 #26-#28 **Teacher Wraparound Edition:** A 588, 594, 601; AE 584, 585, 586, 590, 591, 598, 599; FA 582, 586, 592, 599
.15 Apply the Pythagorean Theorem to real-world situations.	**Student Edition:** 485-487 *Check Your Understanding* 488 #1-#7 *Exercises* 488-490 #8-#45 *Standardized Test Practice* 490 #46-#47 **Teacher Wraparound Edition:** A 490; AE 486, 487; FA 488
.16 Design a shape that will tessellate and use it to cover a surface	**Student Edition:** 539-541 *Check Your Understanding* 541 #3 *Exercises* 542 #26-#27 *Geometry Lab* 544 *Standardized Test Practice* 543 #36 **Teacher Wraparound Edition:** A 543, 544; FA 541

STANDARDS	PAGE REFERENCES
P:6 Measurement	
.1 Use, compare, and convert between units in the metric system for length, mass, area, and volume.	**Student Edition:** 753-754 *Examples* 753 #1-#2, 754 #3 *Exercises* 754 #1-#43
.2 Use, compare, and convert between units in the standard system for length, time, weight, area, and volume.	**Student Edition:** 755-756 *Examples* 755 #1-#2, 756 #3 *Exercises* 756 #1-#30
.3 Compare units of measurement in the metric system to similar units of measurement in the standard system.	The following sections may be used together to compare metric and standard system units. **Student Edition:** 753-754, 755-756 *Examples* 753 #1-#2, 754 #3, 755 #1-#2, 756 #3 *Exercises* 754 #1-#43, 756 #1-#30
.4 Apply multiple strategies, including formulas and manipulatives, to find area, perimeter, surface area, and volume, and include labels in appropriate units.	**Student Edition:** 163-164, 545-548, 583-585, 589-591, 597-599 *Check Your Understanding* 164 #2-#5, 548-549 #8-#33, 586 #1-#8, 592 #1-#8, 600 #1-#6 *Exercises* 165 #9-#24, 548-549 #8-#33, 586-588 #9-#35, 592-594 #9-#40, 600-601 #7-#25 *Geometry Lab* 582, 596 *Real World Examples* 549 #34-#35, *Spreadsheet Lab* 563 *Standardized Test Practice* 588 #36-#39, 594 #41-#42, 601 #26-#28 **Teacher Wraparound Edition:** A 550, 588, 594, 601; AE 163, 546, 547, 548, 584, 585, 586, 590, 591, 598, 599; FA 548, 563, 582, 586, 592, 599
.5 Solve practical problems involving proportion and scale.	**Student Edition:** 297-298, 302-304, 308-310, 497-499 *Check Your Understanding* 298 #1-#3, 304 #4-#5, 311 #1-#5, 500 #3-#4 *Exercises* 299-300 #4-#23, 305-306 #18-#38, 311-312 #6-#25, 500-501 #11-#16 *Real World Examples* 303-304 #2-#3 *Standardized Test Practice* 300 #24-#25, 306 #39-#40, 312 #26-#27 **Teacher Wraparound Edition:** A 306, 312; AE 298, 303, 304, 309, 310, 499; FA 310

STANDARDS	PAGE REFERENCES
.6 Solve practical problems involving conversion between degrees Celsius and degrees Fahrenheit.	The following sections may be used to teach conversion between degrees Celsius and degrees Fahrenheit. **Student Edition:** 155 #4 *Check Your Understanding* 156 #13, 712 #27 *Exercises* 635 #3A, #3B *Mid-Chapter Quiz* 98 #24
.7 Solve practical problems involving rate, time, and distance.	**Student Edition:** 162, 297 *Check Your Understanding* 51 #8-#9, 242 #17 *Exercises* 165 #7-#8, 166 #28, #34, #37-#38, 165 #7, 166 #34, 295 #45 *Mid-Chapter Quiz* 256 #12 *Real World Examples* 162 #1, 167 #43, 241 #6 *Spiral Review* 468 #61, 536 #40, 637 #30 *Standardized Test Practice* 300 #24 **Teacher Wraparound Edition:** AE 162, 298
P:7 Statistics	
.1 Create circle graphs using percents.	**Student Edition:** 651-653, 760 *Check Your Understanding* 654 #3 *Exercises* 325 #27-#28, 760 #2 *Real World Examples* 667 #4 *Spreadsheet Lab* 557 *Standardized Test Practice* 656 #20 **Teacher Wraparound Edition:** A 656; AE 652, 653; FA 557, 654
.2 Present experimental or collected data using both paper and pencil, and technology, in various forms including a table, scatter plot, circle graph, line graph, stem-and-leaf, box-and-whiskers, and histogram.	**Student Edition:** 61-63, 626-628, 638-640, 644-646, 651-653 *Algebra Lab* 60 *Check Your Understanding* 63-64 #1-#5, 628 #1-#7, 640 #1-#6, 646-647 #1-#8, 654 #1-#3 *Exercises* 64-65 #6-#27, 629-631 #8-#31, 641-642 #7-#30, 647-649 #9-#26, 654-655 #4-#19 *Graphing Calculator Lab* 67-68, 632, 643, 650 *Spreadsheet Lab* 657 *Standardized Test Practice* 66 #28-#29, 631 #32, 642 #24-#25, 649 #27-#28, 655 #20 **Teacher Wraparound Edition:** A 66, 631, 642, 649, 652, 653, 656; AE 62, 63, 64, 627, 628, 629, 639, 640, 641, 645, 646; FA 64, 629, 640, 647, 654

STANDARDS	PAGE REFERENCES
.3 Calculate mean, median, mode and range for a given set of data in a table or a graph.	**Student Edition:** 108, 274-277 *Check Your Understanding* 109 #9, 277 #1-#6 *Exercises* 109 #28-#29, 278 #7-#20 *Graphing Calculator Lab* 280 *Standardized Test Practice* 110 #38-#39, 279 #21-#23 *Study Guide and Review* 281, 284 #57-59 *Practice Test* 285.24-25 **Teacher Wraparound Edition:** A 279; AE 108, 275, 276; FA 108, 277, 280, 281
.4 Approximate a line of best fit or trend line for a given set of data.	**Student Edition:** 61-63, 403-405 *Algebra Lab* 60 *Check Your Understanding* 63 #2, 64 #4-#5, 405 #1-#4 *Exercises* 64 #12-#13, 65 #14-#23, 405-406 #5-#18 *Practice Test* 413 #19-#20 *Standardized Test Practice* 66 #28-#29, 407 #19 *Study Guide and Review* 412 #40-#44 **Teacher Wraparound Edition:** A 407; AE 63, 64, 404, 405; FA 64, 405
.5 Analyze data using patterns or trend lines and use this information to predict future outcomes, influence decisions, and defend conclusions.	**Student Edition:** 659-661 *Check Your Understanding* 661 #1-#4 *Exercises* 662-663 #5-#15 *Graphing Calculator Lab* 67-68 *Standardized Test Practice* 663 #16 **Teacher Wraparound Edition:** A 663; AE 660, 661; FA 68, 661
P:8 Probability	
.1 Calculate the probability of a simple event.	**Student Edition:** 665-666 *Check Your Understanding* 667 #1-#8 *Exercises* 668-669 #9-#38 *Practice Test* 695 #13-#14, #17-#20 *Spiral Review* 674 #34, 680 #33 *Standardized Test Practice* 669 #39-#40 *Study Guide and Review* 693 #25-#30 **Teacher Wraparound Edition:** A 669; AE 666, 667; FA 667

STANDARDS	PAGE REFERENCES
.2 Express the probability of an event using decimals, ratios, or percents.	**Student Edition:** 665-666, 678, 682-684 *Algebra Lab* 675 *Check Your Understanding* 667 #1-#8, 685 #1-#7 *Exercises* 668-669 #9-#38, 685-686 #8-#35 *Practice Test* 695 #13-#14, #17-#20 *Real World Examples* 678 #3, 687 #36-#38 *Spiral Review* 674 #34, 680 #33 *Standardized Test Practice* 669 #39-#40 *Study Guide and Review* 693 #25-#30, 694 #36-#38 **Teacher Wraparound Edition:** A 669, 687; AE 666, 667, 678, 683, 684; FA 667, 675, 685
.3 Calculate the probabilities of independent events.	**Student Edition:** 678, 682-684 *Algebra Lab* 675 *Check Your Understanding* 685 #1-#7 *Exercises* 685-686 #8-#35 *Real World Examples* 678 #3, 687 #36-#38 *Study Guide and Review* 694 #36-#38 **Teacher Wraparound Edition:** A 687; AE 678, 683, 684; FA 675, 685
.4 Conduct an experiment and use the data to find the probability of a simple event.	The following problems and examples can be used as a basis to construct and conduct experiments. **Student Edition:** 665-666 *Algebra Lab* 688-689 *Check Your Understanding* 667 #1-#8 *Exercises* 668-669 #9-#18, #23-#35, #37 *Graphing Calculator Lab* 680 *Spiral Review* 674 #34 *Study Guide and Review* 693 #25-#30 **Teacher Wraparound Edition:** AE 666, 667 FA 667, 680, 689

STANDARDS	PAGE REFERENCES
P:9 Patterns	
.1 Identify and expand classic patterns such as primes, square and triangular numbers, and Pascal's Triangle.	**Student Edition:** 26-27, 158-159 *Algebra Lab* 675 *Check Your Understanding* 28 #1-#6, 160 #1-#9 *Exercises* 29 #10-#19, 30 #25, 160-161 #10-#38, 194 #43-#44, 580 #26 *Mid-Chapter Quiz* 48 #1 *Spiral Review* 36 #55-#60, 110 #45, 167 #45-#47, 184 #71 *Standardized Test Practice* 30 #29, 160 #39-#40 *Study Guide and Review* 169, 172 #43-#50 **Teacher Wraparound Edition:** A 30, 160, 675; AE 27, 159; FA 28, 160
.2 Express an arithmetic pattern as a rule and determine the nth term.	**Student Edition:** 158-159 *Check Your Understanding* 160 #1-#9 *Exercises* 160-161 #10-#38 *Spiral Review* 167 #45-#47, 184 #71 *Standardized Test Practice* 160 #39-#40 *Study Guide and Review* 169, 172 #43-#50 **Teacher Wraparound Edition:** A 160; AE 159; FA 160
.3 Apply patterns as a strategy for solving problems.	**Student Edition:** 26-27, 158-159 *Algebra Lab* 675 *Check Your Understanding* 28 #1-#6, 160 #1-#9 *Exercises* 29 #10-#19, 30 #25, 160-161 #10-#38, 194 #43-#44, 580 #26 *Mid-Chapter Quiz* 48 #1 *Spiral Review* 36 #55-#60, 110 #45, 167 #45-#47, 184 #71 *Standardized Test Practice* 30 #29, 160 #39-#40 *Study Guide and Review* 169, 172 #43-#50 **Teacher Wraparound Edition:** A 30, 160, 675; AE 27, 159; FA 28, 160

STANDARDS	PAGE REFERENCES
P:10 Algebra	
.1 Use proper algebraic terminology in both written and oral communication.	**Student Edition:** 31, 91, 152, 201, 255, 301, 370, 429 *Reading to Learn* 31 #1-#14, 91 #1-#3, 152 #1-#2, 201 #1-#16, 255 #1-#3, 301 #1-#4, 370 #1-#5, 429 #1-#7 *H.O.T. Problems* 30 #28, 36 #52, 41 #49, 47 #52, 90 #52, 97 #61, 104 #61, 212 #61, 218 #45, 244 #67 **Teacher Wraparound Edition:** A 31, 91, 152, 201, 255, 301, 370, 429
.2 Present work in an organized and orderly fashion.	Orderly and organized presentation of work is stressed throughout the book. The following labs are key examples. **Student Edition:** *Algebra Lab* 60, 84-85, 105, 185, 208, 262, 273, 307, 320-321, 358, 383, 418-419, 462-463, 483-484, 491 *Spreadsheet Lab* 42, 168, 337, 557, 563 **Teacher Wraparound Edition:** FA 42, 60, 85, 105, 168, 185, 208, 262, 273, 307, 321, 337, 358, 383, 419, 462-463, 484, 491, 557, 563
.3 Simplify expressions using the properties of real numbers.	**Student Edition:** 43-45, 124-126, 129-131 *Check Your Understanding* 45 #1-#15, 126 #1-#14, 131 #1-#13 *Exercises* 45-46 #16-#52, 127-128 #15-#62, 131-133 #14-#59 *Standardized Test Practice* 46 #53-#54, 128 #63-#64 **Teacher Wraparound Edition:** A 46, 128, 133; AE 44, 45, 125, 126, 130, 131; FA 46, 126, 131, 133
.4 Solve one and two step equations.	**Student Edition:** 136-138, 141-143, 147-149, 153-155 *Check Your Understanding* 139 #1-#8, 143 #1-#7, 149 #1-#10, 155 #1-#5 *Exercises* 139-140 #9-#42, 144-145 #8-#48, 150 #11-#51, 155-157 #6-#26 **Teacher Wraparound Edition:** A 145, 151, 157; AE 137, 138, 142, 143, 148, 149, 154, 155; FA 138, 149

STANDARDS	PAGE REFERENCES
.5 Solve and graph one and two step inequalities.	**Student Edition:** 441-443, 446-448 *Check Your Understanding* 444 #1-#10, 448 #1-#9 *Exercises* 444-445 #11-#41, 448-449 #10-#42 *Practice Test* 455 #1-#25 *Study Guide and Review* 452-454 #1-#52 *Standardized Test Practice* 444-445 #42-#44 **Teacher Wraparound Edition:** A 444; AE 442, 43, 447; FA 444, 448
.**6** Provide a verbal and written explanation for solutions.	**Student Edition:** 420-421, 424-426, 446-448 *Algebra Lab* 418-419 #7-#8. #15-#16 *H.O.T. Problems* 422-423 #33-#36, 427-428 #36-#41, 434 #42-#45, 439 #45-#48, 444-445 #38-#41, 449 #39-#42 *Mid-Chapter Quiz* 440 #4-#7, #16 #18, #25 *Standardized Test Practice* 423 #37-#39, 428 #42, 439 #49, 445 #43 **Teacher Wraparound Edition:** A 422, 444; AE 421, 426, 431, 437, 442, 447; FA 419, 448
.7 Translate word problems into numerical expressions, inequalities, or equations.	**Student Edition:** 420-421, 424-426, 435-437, 441-443 *Check Your Understanding* 421 #9, 437 #11, 444 #7 *Exercises* 421-422 #20-#23,32-#36, 427-428 #24-#25, #35-#39, 438-439 #33-#37, #44-#48, 444 #19-#20, #29, #38-#39 *Standardized Test Practice* 423 #37-#39, 428 #42, 439 #49, 445 #43 **Teacher Wraparound Edition:** A 422; AE 421, 425, 437, 442; FA 422, 437, 444
.8 Create word problems from symbolic statements.	The following pages and problems can be used to create word problems from symbolic statements. **Student Edition:** 435-437, 441-443 *Check Your Understanding* 422 #1-#8, 426 #1-#6, #8-#11, 437 #1-#10, 444 #1-#6 *Exercises* 422 #10-#19, #24-#31, 427 #12-#23 #29-#34 #37, 438 #12-#32 #38-#43, 444 #11-#18 #21-#28 #30-#37 *Standardized Test Practice* 445 #42 **Teacher Wraparound Edition:** AE 421, 425, 436, 442, 443; FA 437, 444

STANDARDS	PAGE REFERENCES
.9 Create a table of values from a linear function.	**Student Edition:** 365-367 *Check Your Understanding* 367 #1-#8 *Exercises* 368-369 #9-#50 *Graphing Calculator Lab* 364 *Standardized Test Practice* 369 #51-#52 **Teacher Wraparound Edition:** AE 366; FA 364, 367
.10 Graph the equation of a line in slope and y-intercept form.	**Student Edition:** 391-393 *Check Your Understanding* 393 #1-#8 *Exercises* 393-394 #9-#35 *Graphing Calculator Lab* 395-396 *Practice Test* 413 #4-#5, #14-#15 *Standardized Test Practice* 394 #36 *Study Guide and Review* 409 #17-#21, 411 #29-#33 **Teacher Wraparound Edition:** AE 392; FA 396
.11 Compute the slope of a line given two points.	**Student Edition:** 384-386, 397-400 *Algebra Lab* 383 *Check Your Understanding* 387 #1-#7, 400 #9 *Exercises* 387-389 #8-#32, 400 #16-#17, 401 #24-#34 *Practice Test* 413 #6, #10-#13 *Study Guide and Review* 410 #22-#25 **Teacher Wraparound Edition:** A 389; AE 385, 386, 399; FA 383, 387, 402
.12 Solve problems involving algebraic expressions using order of operations, grouping symbols, and exponents.	**Student Edition:** 180-182, 203-205, 424-425 *Check Your Understanding* 182 #1-#13, 193 #11-#13, 205 #1-#10, 426 #1-#11 *Exercises* 182-184 #14-#67, 205-206 #11-#52, 427-428 #12-#41 *Spiral Review* 190 #53 *Standardized Test Practice* 184 #68-#69 **Teacher Wraparound Edition:** A 184, 206; AE 181, 182, 193, 204, 205, 425, 426; FA 182, 205, 426