

Textbook Alignment to the Utah Core – Pre-Algebra

*This alignment has been completed using an “Independent Alignment Vendor” from the USOE approved list
(www.schools.utah.gov/curr/imc/indvendor.html.) Yes X No _____*

Name of Company and Individual Conducting Alignment:
Marsha Hippler

A “Credential Sheet” has been completed on the above company/evaluator and is (Please check one of the following):

On record with the USOE.

The “Credential Sheet” is attached to this alignment.

Instructional Materials Evaluation Criteria (name and grade of the core document used to align): **Pre-Algebra Core Curriculum**

Title: Pre-Algebra © 2010 ISBN#: 9780078885150

Publisher: Glencoe/McGraw-Hill

Overall percentage of coverage in the <i>Student Edition (SE) and Teacher Edition (TE)</i> of the Utah State Core Curriculum: _____%				
Overall percentage of coverage in <i>ancillary materials</i> of the Utah Core Curriculum: _____%				
STANDARD I: Students will expand number sense to understand, perform operations, and solve problems with rational numbers.				
Percentage of coverage in the <i>student and teacher edition</i> for Standard I: _____%		Percentage of coverage not in student or teacher edition, but covered in the <i>ancillary material</i> for Standard I: _____%		
OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	<i>Not covered in TE, SE or ancillaries</i> ✓
Objective 1.1: Compute fluently with understanding and make reasonable estimates with rational numbers.				
a.	Compute fluently using all four operations with integers, and explain why the corresponding algorithms work.	Student Edition: 69-74, 76-80, 83-88, 90-95, 189 #60-#65, 274 #40, 812-813 <i>Algebra Lab</i> 67-68, 75, 82, 89 <i>Mid-Chapter Quiz</i> 81 <i>Practical Test</i> 111 <i>Study Guide and Review</i> 108-109 <i>Test Option</i> 169 <i>Why</i> 58 Teacher Wraparound Edition: DI 74; FMC 58G, 58H, 70, 85; TNT 71, 77		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	<i>Not covered in TE, SE or ancillaries</i> ✓
b.	Compute fluently using all four operations with rational numbers, including negative fractions and decimals, and explain why the corresponding algorithms work.	Student Edition: 134-139, 141-146, 147-152, 153-158, 815 <i>Algebra Lab</i> 119-120 <i>Mid-Chapter Quiz</i> 140 #18-#28 <i>Practice Test</i> 163 <i>Skill Review</i> 253 <i>Standardized Test Practice</i> 166 #7, 167 #11 <i>Start Smart</i> P4, P12-P13, P22 <i>Study Guide & Review</i> 161-162 <i>Test Option 3</i> #1-#8 <i>Why?</i> 116 Teacher Wraparound Edition: A 158; FMC 116G, 116H, 136; TT 136		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	<i>Not covered in TE, SE or ancillaries</i> ✓
c.	Check the reasonableness of results using estimation.	Student Edition: 23 #51-#52, 147 #1, 155 #4, 333, 340 #31, 352, 353, 354, 358 <i>Algebra Lab</i> 343-344, 521 <i>Graphing Technology Lab</i> 47 <i>Preparing for Standardized Tests</i> 388-389, 528-529 <i>Start Smart</i> P8, P18, P19 #9-#10 <i>Study Tip</i> 628 Teacher Wraparound Edition: DI 74, 328F(Option 1); TNT P13		
Objective 1.2: Analyze relationships among rational numbers, including negative rational numbers, and operations involving these numbers.				
a.	Order rational numbers in various forms, including scientific notation (positive and negative exponents), and place numbers on a number line.	Student Edition: 64-65, 123 #4, 124 #5, 125 #48-#51, 127 #66, 279 #32-#35, 351, 475 #68-#71, 491 #59, 495-498 <i>Algebra Lab</i> 119-120 <i>Selected Answers & Solutions</i> R16 <i>Standardized Test Practice</i> 115 #14, 167 #14 <i>Test Option</i> 533 #7 Teacher Wraparound Edition: A 498; AE 495; FMC 116E		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	<i>Not covered in TE, SE or ancillaries</i> ✓
b.	Predict the effect of operating with fractions, decimals, percents, and integers as an increase or a decrease of the original value.	<p>Student Edition: 95 #56, 364-369, 443 #4, 844 #7-#8 <i>Algebra Lab</i> 363 <i>Mid-Chapter Quiz</i> 81 #24 <i>Practice Test</i> 387 #22-#28 <i>Study Guide & Review</i> 385 <i>Text Option</i> 169 #7</p> <p>Teacher Wraparound Edition: AE 365; FMC 366; TNT 366; TT 366</p>		
c.	Recognize and use the identity properties of addition and multiplication, the multiplicative property of zero, the commutative and associative properties of addition and multiplication, and the distributive property of multiplication over addition.	<p>Student Edition: 18-23, 30 #45-#48, 72 #6, 73 #39-#40, 74 #53-#55, 85, 87 #46, 94 #53, 171-176, 179, 200, 494 #3 <i>Algebra Lab</i> 68 #12-#14 <i>Mid-Chapter Quiz</i> 24 #16-#18 <i>Practice Test</i> 53 #11-#14 <i>Standardized Test Practice</i> 57 #7, 166 #6 <i>Study Guide & Review</i> 50 <i>Vocabulary Check</i> 254 #6</p> <p>Teacher Wraparound Edition: A 23; AE 19, 172, 173; DI 172; FMC 20, 168E; TT 173</p>		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	<i>Not covered in TE, SE or ancillaries</i> ✓
d.	Recognize and use the inverse operations of adding and subtracting a fixed number, multiplying and dividing by a fixed number, and computing squares of whole numbers and taking square roots of perfect squares.	Student Edition: 45 #20, 141-144, 184-186, 193, 537-542 <i>Algebra Lab</i> 535-536 <i>Key Concept</i> 71 <i>Practice Test</i> 581 #1-#2 <i>Study Guide & Review</i> 578 <i>Standardized Test Practice</i> 585 #9 Teacher Wraparound Edition: AE 538; FMC 58G, 58H, 142, 532G; TT 143		
Objective 1.3: Solve problems involving rational numbers using addition, subtraction, multiplication, and division.				
a.	Recognize the absolute value of a rational number as its distance from zero.	Student Edition: 61-66 Teacher Wraparound Edition: DI 63, 66; FMC 58G; TNT 63		
b.	Simplify numerical expressions, including those with whole number exponents and absolute values, using the order of operations.	Student Edition: 5-9, 63 #4, 65 #43-#46 Teacher Wraparound Edition: AE 6, 63; FMC 7; TT 9		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	<i>Not covered in TE, SE or ancillaries</i> ✓
c.	Solve problems involving rational numbers, percents, and proportions.	Student Edition: 123 #3, 136-137, 145, 146 #47-#50, 149 #5, 151, 155 #4, 287-292, 333, 342, 348-349, 354, 352, 365 <i>H.O.T.</i> 126 <i>Mid-Chapter Quiz</i> 140 #29-#30, 356 #25 <i>Start Smart</i> P6-P7, P8-P11 <i>Why?</i> 116 Teacher Wraparound Edition: AE 123, 333		
STANDARD II: Students will use proportion and similarity to solve problems.				
Percentage of coverage in the <i>student and teacher edition</i> for Standard II: _____ %		Percentage of coverage not in student or teacher edition, but covered in the <i>ancillary material</i> for Standard II: _____ %		
OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	<i>Not covered in TE, SE or ancillaries</i> ✓
Objective 2.1: Model and illustrate meanings of ratios, percents, and decimals.				
a.	Compare ratios to determine if they are equivalent.	Student Edition: 265-269, 274 #35-#38, 280 #60-#63, 319 <i>Mid-Chapter Quiz</i> 286 #1-#3 <i>Standardized Test Practice</i> 326 #1 Teacher Wraparound Edition: DI 266; FMC 266; TNT 269		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	<i>Not covered in TE, SE or ancillaries</i> ✓
b.	Compare ratios using the unit rate.	Student Edition: 270-274, 280 #55-#58, 285 #29-#32, 319 <i>Mid-Chapter Quiz</i> 286 #4-#6 <i>Practice Test</i> 323 #2-#4 Teacher Wraparound Edition: AE 271; FMC 271; TT 274		
c.	Represent percents as ratios based on 100 and decimals as ratios based on powers of ten.	Student Edition: 331-336, 489 #42 <i>Standardized Test Practice</i> 531 #11 Teacher Wraparound Edition: DI 342; FMC 328G, 333, 339		
d.	Graph proportional relationships and identify the unit rate as the slope of the related line.	Student Edition: 273 #23, #24		
Objective 2.2: Solve a wide variety of problems using ratios and proportional reasoning.				
a.	Set up and solve problems involving proportional reasoning using variables.	Student Edition: 282 #3, 283 #3, 285 #22, 288-292, 301-306, 313-317, 345-350, 420-424 <i>Geometry Lab</i> 300 <i>Mid-Chapter Quiz</i> 286 #20, 356 #20-#24, 425 <i>Practice Test</i> 321 #10, #16 <i>Study Guide & Review</i> 320 Teacher Wraparound Edition: A 285; AE 289; FMC 283, 288		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	Not covered in <i>TE, SE or ancillaries</i> ✓
b.	Solve percent problems, including problems involving discounts, interest, taxes, tips, and percent increase or decrease.	Student Edition: 285 #22, 333, 340 #39, 353, 355 #51, 360-361, 364-369, 370-374, 849 #4 <i>Spreadsheet Investigation</i> 375 <i>Standardized Test Practice</i> 466 #4 Teacher Wraparound Edition: AE 333, 365; FMC 366; TNT 366		
c.	Solve ratio and rate problems using informal methods.	Student Edition: 265-269, 270-274, 280 #55-#63, 319, 848 <i>Mid-Chapter Quiz</i> 286 #1-#9 Teacher Wraparound Edition: DI 269		
Objective 2.3: Recognize similar polygons and use properties of similar triangles to solve problems and define the slope of a line.				
a.	Define similar polygons as polygons with corresponding angles congruent and corresponding sides that are proportional.	Student Edition: 301-306, 312 #29 <i>Preparing for Standardized Test</i> 325 <i>Practice Test</i> 323 #13 <i>Standardized Test Practice</i> 327 #9 <i>Study Guide & Review</i> 321 Teacher Wraparound Edition: AE 302; FMC 303; TT 303		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	Not covered in <i>TE, SE or ancillaries</i> ✓
b.	Identify pairs of similar triangles using two pairs of congruent angles, or two pairs of proportional sides with congruent included angles.	Student Edition: 301-306, 598-604, 609 #18 <i>Geometry Lab</i> 596-597 <i>Mid-Chapter Quiz</i> 623 #6 <i>Standardized Test Practice</i> 327 #9 <i>Study Guide & Review</i> 321, 651 Teacher Wraparound Edition: AE 599; DI 306, 599; FMC 303		
c.	Find missing lengths of similar triangles, including inaccessible lengths, using proportions.	Student Edition: 301-306, 313-317, 336 #55, 848 #10 <i>Preparing for Standardized Tests</i> 325 <i>Practice Test</i> 323 #16 <i>Standardized Test Practice</i> 327 #9 <i>Study Guide & Review</i> 321, 322 Teacher Wraparound Edition: AE 303, 314; DI 314, 317		
d.	Define the slope of a line as the ratio of the vertical change to the horizontal change between two points, and show that the slope is constant using similarity of right triangles.	Student Edition: 427-431, 571-572, 850 #6 <i>Glossary</i> R90 <i>Study Guide & Review</i> 460 #27-#31, 580 egB <i>Vocabulary Check</i> 458 #1 Teacher Wraparound Edition: FMC 429; TNT 431		

OBJECTIVES & INDICATORS	Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #’s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #’s, etc.)	<i>Not covered in TE, SE or ancillaries</i> ✓
STANDARD III: Students will develop fluency with the language and operations of algebra to analyze and represent relationships.			
Percentage of coverage in the <i>student and teacher edition</i> for Standard III: _____ %		Percentage of coverage not in student or teacher edition, but covered in the <i>ancillary material</i> for Standard III: _____ %	
Objective 3.1: Generalize and express patterns using algebraic expressions.			
a.	Compare representations of a relation using tables, graphs, algebraic symbols, and mathematical rules.	Student Edition: 34, 36 #10, 40-46, 87 #42, 99 #39-#40, 341 #42, 373 #32, 377-381, 475 #67 <i>Algebra Lab</i> 39 <i>Graphing Technology Lab</i> 47-48 <i>Practice Test</i> 53 #25, 387 #32 <i>Standardized Test Practice</i> 467 #15 <i>Start Smart</i> P15 #6 <i>Study Guide & Review</i> 51-52 Teacher Wraparound Edition: AE 41; DI 37-38	

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	Not covered in <i>TE, SE or ancillaries</i> ✓
b.	Describe simple patterns using a mathematical rule or algebraic expression.	Student Edition: 7 #3, 15 #40, #43, 29 #37, 36 #13, 348 #25, 399 #39, 401-405 <i>Algebra Lab</i> 10 <i>Mid-Chapter Quiz</i> 425 #9-#11 <i>Start Smart</i> P4, P8, P14, P15, P22 <i>Study Guide & Review</i> 459 <i>Standardized Test Practice</i> 467 #11 Teacher Wraparound Edition: A 405		
c.	Create and extend simple numerical and visual patterns.	Student Edition: 7 #3, 8 #33, 29 #37, 399 #39, 474 #58, 621 #27, 628 #17, 853 #1, #3 <i>Algebra Lab</i> 10		
Objective 3.2: Evaluate, simplify, and solve algebraic expressions, equations, and inequalities.				
a.	Evaluate algebraic expressions, including those with whole number exponents, when given values for the variable(s).	Student Edition: 11-16, 13 #3, 136 #7-#12, 137 #27-#32, 145 #37-#39, 473 #4, 474 #25-#36 <i>Mid-Chapter Quiz</i> 24 #9-#12 <i>Practice Test</i> 53 #6, #8, 111 #23-#26 <i>Standardized Test Practice</i> 217 #12 <i>Study Guide & Review</i> 50 Teacher Wraparound Edition: AE 13; DI 9		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	Not covered in <i>TE, SE or ancillaries</i> ✓
b.	Simplify algebraic expressions using the order of operations, algebraic properties, and exponent rules.	<p>Student Edition: 6, 9 #38, 18-23, 30 #48, 37 #25-#30, 85, 173 #4, 178-183, 189 #52-#57, 472, 474 <i>Algebra Lab</i> 177 <i>Mid-Chapter Quiz</i> 190 #3-#10 <i>Practice Test</i> 53 #11-#18, 213 #6-#9 <i>Standardized Test Practice</i> 216 #4 <i>Study Guide & Review</i> 211</p> <p>Teacher Wraparound Edition: FMC 168E; TT 9, 179</p>		
c.	Solve single-variable linear equations and inequalities, including those that must be simplified on one side or those with variables on both sides of an equation.	<p>Student Edition: 184-189, 191-196, 204 #52-#57, 229-233, 234-239, 241-247, 847 #3-#5 <i>Mid-Chapter Quiz</i> 190 #15-#22, 240 #6-#8, #15-#17 <i>Practice Test</i> 213 #12-#23, #28-#31, 257 <i>Preparing for Standardized Tests</i> 214-215, 258-259 <i>Standardized Test Practice</i> 217 #11, 260 #5, 261 #13 <i>Study Guide & Review</i> 211-212, 255-256</p> <p>Teacher Wraparound Edition: A 189; AE 186, 192, 230, 235, 242; DI 189, 196; FMC 185, 193; TT 187</p>		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	Not covered in <i>TE, SE or ancillaries</i> ✓
Objective 3.3: Represent relationships using graphs, tables, and other models.				
a.	Identify approximate rational coordinates when given the graph of a point on a rectangular coordinate system.	Student Edition: 25-30 <i>Practice Test 53 #19-#22</i> <i>Standardized Test Practice 56 #6</i> <i>Study Guide & Review 51</i> Teacher Wraparound Edition: CP 392		
b.	Graph ordered pairs of rational numbers on a rectangular coordinate system.	Student Edition: 25-30 <i>Study Guide & Review 51</i>		
c.	Graph linear equations using ordered pairs or tables.	Student Edition: 28 #32, 33-37, 87 #42, 373 #32, 399 #39 <i>Algebra Lab 32 #10, 293 #5</i> <i>Standardized Test Practice 466 #7</i> <i>Study Guide & Review 51</i>		
d.	Recognize that all first order equations produce linear graphs.	Student Edition: 33-37, 87 #42, 184-187, 192 #2 <i>Start Smart P20 #2</i> <i>Study Guide & Review 51</i> Teacher Wraparound Edition: AE 185		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	<i>Not covered in TE, SE or ancillaries</i> ✓
e.	Model real-world problems using graphs, tables, equations, manipulatives, and pictures, and identify extraneous information.	Student Edition: 15 #40, 27 #4, 33-37, 76, 77 #3, 96, 97 #3, 306 #28, 378 #3, 404 #29 <i>Mid-Chapter Quiz</i> 81 #25, 190 #11, #14, 356 #8 <i>Preparing for Standardized Tests</i> 54, 112, 528, 583, 804		
STANDARD IV: Students will use algebraic, spatial, and logical reasoning to solve geometry and measurement problems.				
Percentage of coverage in the <i>student and teacher edition</i> for Standard IV: _____ %		Percentage of coverage not in student or teacher edition, but covered in the <i>ancillary material</i> for Standard IV: _____ %		
OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	<i>Not covered in TE, SE or ancillaries</i> ✓
Objective 4.1: Apply the properties of proportionality of different units of measure.				
a.	Convert units of measure within the same system.	Student Edition: 137 #43-#48, 275-280 <i>Mid-Chapter Quiz</i> 286 #10-#13 <i>Rear Insert Flap</i> <i>Standardized Test Practice</i> 326 #5, 390 #5 <i>Start Smart</i> P18-P19, P23 <i>Why?</i> 116, 262 Teacher Wraparound Edition: AE P19, 276; CP 262; FMC 262G, 277		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	<i>Not covered in TE, SE or ancillaries</i> ✓
b.	Create and interpret scale drawings and approximate distance on maps using scale factors.	<p>Student Edition: 294-299, 303 #2, 304 #11, #12, 306 #26, 312, 848 #8, #9 <i>Geometry Lab</i> 300 <i>Practice Test</i> 323 #11 <i>Standardized Test Practice</i> 326 #5 <i>Study Guide & Review</i> 320</p> <p>Teacher Wraparound Edition: AE 295; FMC 296</p>		
c.	Solve problems using scale factors.	<p>Student Edition: 294-299, 303 #2, 304 #11, #12, 306 #26, 309 #3, 311 #16, #17, 848 #8, #9 <i>Geometry Lab</i> 300 <i>Practice Test</i> 323 #11 <i>Standardized Test Practice</i> 327 #10 <i>Study Guide & Review</i> 320</p> <p>Teacher Wraparound Edition: AE 296; DI 299</p>		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE)</i> and <i>Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	Not covered in <i>TE, SE or ancillaries</i> ✓
Objective 4.2: Derive formulas for surface areas and volume of three-dimensional figures.				
a.	Derive formulas for and calculate surface area and volume of right prisms and cylinders using appropriate units.	Student Edition: 671-676, 677-681, 691-695, 697-701 <i>Geometry Lab</i> 690, 696 <i>Practice Test</i> 721 <i>Study Guide & Review</i> 717, 718, 719 <i>Standardized Test Practice</i> 725 #13 Teacher Wraparound Edition: AE 672, 678		
b.	Explain that if a scale factor describes how corresponding lengths in two similar objects are related, then the square of the scale factor describes how corresponding areas are related and the cube of the scale factor describes how corresponding volumes are related.	Student Edition: 629 #34c, 675 #33, 709-715 <i>Geometry Lab</i> 708 <i>Practice Test</i> 721 #15 <i>Spreadsheet Lab</i> 648-649 Teacher Wraparound Edition: TNT 713		
c.	Find lengths, areas, and volumes of similar figures, using the scale factor.	Student Edition: 709-715 <i>Geometry Lab</i> 708 <i>Practice Test</i> 721 #17 <i>Spreadsheet Lab</i> 648-649 <i>Standardized Test Practice</i> 725 #8		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	Not covered in <i>TE, SE or ancillaries</i> ✓
d.	Select appropriate two- and three-dimensional figures to model real-world objects, and solve a variety of problems involving surface areas and volumes of cylinders and prisms.	Student Edition: 561 #14, 563 #42, 575 #3, 594 #31, 600 #2, 601 #3, 602 #10, #16, 609 #15, 610 #26, 672, 674-675, 679-680, 694, 699-700, 717-718, 719 <i>Mid-Chapter Quiz</i> 623 #8 <i>Practice Test</i> 655 #15, 721 #9, #14 <i>Real –World Link</i> 679 <i>Why?</i> 550, 565, 598, 695, 664, 691, 697 <i>Standardized Test Practice</i> 725 #10, #13		
STANDARD V: Students will use algebraic, spatial, and logical reasoning to solve geometry and measurement problems.				
Percentage of coverage in the <i>student and teacher edition</i> for Standard V: _____ %		Percentage of coverage not in student or teacher edition, but covered in the <i>ancillary material</i> for Standard V: _____ %		
OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	Not covered in <i>TE, SE or ancillaries</i> ✓
Objective 5.1 Calculate probabilities of events and compare theoretical and experimental probability.				
a.	Solve counting problems using the Fundamental Counting Principle.	Student Edition: 777-780, 783, 855 #6 <i>Study Guide & Review</i> 802 Teacher Wraparound Edition: DI 778; FMC 779		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE)</i> and <i>Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	Not covered in <i>TE, SE or ancillaries</i> ✓
b.	Calculate the probability of an event or sequence of events with and without replacement using models.	Student Edition: 790-795, 802, 855 #8 <i>Preparing for Standardized Tests</i> 804-805 <i>Standardized Tests</i> 807 #8, #11 Teacher Wraparound Edition: FMC 792; TNT 770		
c.	Recognize that the sum of the probability of an event and the probability of its complement is equal to one.	The following references can be used with Teacher assistance and explanation of term, "complement", followed with specific examples: Student Edition: 792-793		
d.	Make approximate predictions using theoretical probability and proportions.	Student Edition: 765-770, 801 <i>Graphing Technology Lab</i> 789 Teacher Wraparound Edition: A 770; FMC 767		
e.	Collect and interpret data to show that as the number of trials increases, experimental probability approaches the theoretical probability.	Student Edition: 766-767 <i>Algebra Lab</i> 796-797 <i>Graphing Technology Lab</i> 789 Teacher Wraparound Edition: AE 766; DI 766		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	<i>Not covered in TE, SE or ancillaries</i> ✓
Objective 5.2: Formulate questions and answer the questions by organizing and analyzing data.				
a.	Formulate questions that can be answered through data collection and analysis.	Student Edition: 748, 761 #13 <i>Algebra Lab</i> 39, 729 <i>Graphing Technology Lab</i> 47 <i>Preparing for Standardized Tests</i> 164-165, 804-805 <i>Start Smart</i> P20, P21 Teacher Wraparound Edition: CP 328, 726; DI 42, 762		
b.	Determine the 25th and 75th percentiles (first and third quartiles) to obtain information about the spread of data.	Student Edition: 744, 760 #13		
c.	Graphically summarize data of a single variable using histograms and box-and whisker plots.	Student Edition: 740-755, 757-762, 800, 855 #2, #3 <i>Graphing Technology Lab</i> 756, 763 Teacher Wraparound Edition: AE 752		
d.	Compute the mean and median of a numerical characteristic and relate these values to the histogram of the data.	Student Edition: 760 #8, 762 #17, #18 Teacher Wraparound Edition: CP 726		

OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE)</i> and <i>Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	<i>Not covered in TE, SE or ancillaries</i> ✓
e.	Use graphical representations and numerical summaries to answer questions and interpret data.	Student Edition: 40-46, 125 #38-#40, 348 #26, 376-381, 758, 833 #1, 849 #10, 882-883 <i>Algebra Lab</i> 39 <i>Graphing Technology Lab</i> 47-48 <i>Preparing for Standardized Tests</i> 804-805 <i>Standardized Test Practice</i> 327 #14 <i>Start Smart</i> P5, P20, P21 Teacher Wraparound Edition: DI 42		