



Geometry

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Illinois Edition

STANDARDS	PAGE REFERENCES
Mathematics – State Goal 6: Number Sense	
Standard 6A – Representations and Ordering	
6.11.01 Recognize, represent, order, compare real numbers, and locate real numbers on a number line (e.g., π , $\sqrt{2}$, $\sqrt{5}$, $2/3$, -1.6).	Student Edition: 122 #1 IL17 #1, IL23 #3
6.11.02 Represent numbers in equivalent forms (e.g., fraction/decimal/percent, exponential/logarithmic, radical/rational exponents, absolute value, scientific notation).	Student Edition: 122 #1, 744-745 IL8 #3, IL9 #2, IL14 #3, IL24 #5, IL30 #5, IL32 #5
6.11.03 Use matrices to organize data.	Student Edition: 461 #13-#16, 505 #73-#78, 506-511, 516 #42-#47, 517 #10-#12, 716 ex 4, 752-754 IL17 #4, IL27 #4 Teacher Wraparound Edition: A 511; DI 509; ICE 507, 508; TT 507
Standards 6B, 6C – Computation, Operations, Estimation, and Properties	
6.11.04 Apply the rules of order of operations to real-number expressions.	Student Edition: 5 #9-#12, 58 #3, 59 #10, 138 #55-#59, 338 #1, 341 #9-#12, 734-735, 736, 737-740

STANDARDS	PAGE REFERENCES
<p>6.11.05 Simplify or test expressions by applying field properties (commutative, associative, distributive), order properties (transitive, reflexive, symmetric), and properties of equality for the set of real numbers.</p>	<p>Student Edition: 58 #3, 94-95, 106 #31-#34, 232 #1, 247, 278 #1, 284 ex 4, 596 ex 2, 734-735, 746-747, 750-751</p> <p>Teacher Wraparound Edition: A 100; DI 96; ICE 95</p>
<p>6.11.06 Apply number theory concepts to the solution of problems (e.g., prime and composite numbers, prime factorization, greatest common factor, least common multiple, divisibility rules).</p>	<p>Student Edition: 750-751</p>
<p>6.11.07 Determine the effects of operations on the magnitudes of quantities (e.g., multiplication, division, powers, roots).</p>	<p>Student Edition: 735 ex 4</p>
<p>6.11.08 Determine the appropriate solution, including rounding, from a context (e.g., rounding up, down, to the nearest integer).</p>	<p>Student Edition: 19 #57, 22 ex 2, 25 #24-#25, 43 #52-#55, 55 #20-#23, 74 #55, 87 #35, 144 #50, 157 #46, 163 #29, 279 #9, 286 #33, 338 #6, 782-794</p>
<p>6.11.09 Solve problems involving estimates or data (e.g., use averages to estimate the cost of a job that includes labor and materials).</p>	<p>Student Edition: 19 #56, 27 #50-#53, 48 #11, 73 #41-#44, 137 #42, 143 #39-#41, 149 #46-#49, 157 #61, 233 #11, 351 ex 1, 354 #12-#13, 355 #40, 363 #1-#2, 371 ex 1, 390 #47</p> <p>Teacher Wraparound Edition: ICE 351, 372; TTT 375</p>
<p>6.11.10 Perform numerical computations with real numbers.</p>	<p>Student Edition: 5 #9-#12, 58 #3, 59 #10, 737-740 IL9 #1, IL30 #5</p>
<p>6.11.11 Perform numerical computations with non-real complex numbers.</p>	<p>See Glencoe's <i>Algebra 2</i> © 2005</p> <p>Student Edition: 5 #1-#16, 6 ex 1, 8 #4-#9, 9 #16-#35, 11-18, 21 ex 4, 23 ex 8, 25 #63, 48 #11-#13, 51 #4-#6</p>
<p>6.11.12 Solve problems using simple matrix operations (addition, subtraction, multiplication, scalar multiplication).</p>	<p>Student Edition: 461 #13-#16, 505 #73-#78, 506-511, 516 #42-#47, 517 #10-#12, 716 ex 4, 752-754 IL17 #4, IL27 #4</p> <p>Teacher Wraparound Edition: A 511; DI 509; ICE 507, 508; TT 507</p>
<p>6.11.13 Set up, evaluate, or solve single- and multi-step number sentences and word problems with rational numbers using the four basic operations.</p>	<p>Student Edition: 5 #9-#12, 58 #3, 59 #10, 737-740 IL9 #1, IL30 #5</p>

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6.11.14 Determine the most cost effective option using single- and multi-step calculations and then comparing results.	See Glencoe's <i>Algebra 2</i> © 2005 Student Edition: 289 ex 4, 291 #13, 292 #51
6.11.15 Judge the reasonableness of solutions, and find mistakes in calculation, logic, and formula application.	Student Edition: 19 #57, 22 ex 2, 25 #24-#25, 43 #52-#55, 55 #20-#23, 74 #55, 87 #35, 144 #50, 157 #46, 163 #29, 279 #9, 286 #33, 338 #6, 782-794
6.11.16 Simplify numerical problems involving absolute value.	Student Edition: IL18 #4
Standards 6D – Ratios, Proportions, and Percents	
6.11.17 Set up, evaluate, or solve number sentences or word problems involving ratios and proportions with rational numbers (e.g., scale drawing, unit rate, scale factor, rate of change).	Student Edition: 282-287, 297 #70-#72, 306 #53-#56, 333 #10-#17, 337 #4-#6, 604 ex 4 IL10 #1, IL15 #5, IL22 #6, IL25 #2 <i>Geometry Activity</i> 601, 611 Teacher Wraparound Edition: A 287; DI 283; TNT 284; TT 283
6.11.18 Set up, evaluate, or solve common problems involving percent (e.g., sales tax, tip, interest, discount, markup, commission, compound interest).	Student Edition: IL8 #1, IL16 #1, IL27 #3
6.11.19 Set up, evaluate, or solve problems stated in terms of direct and inverse variation of simple quantities.	Student Edition: 144 #50, 574 #35
Mathematics – State Goal 7: Measurement	
Standards 7A, 7B, 7C – Units, Tools, Estimation, and Applications	
7.11.01 Change from one unit to another within the same system of measurement, including calculations with mixed units (e.g., 3½ hours plus 4 hours and 20 minutes; 2½ feet minus 16 inches).	Student Edition: 730-731
7.11.02 Change from one unit in one system of measurement to a unit in another system of measurement, given a conversion factor.	Student Edition: 730-731 IL19 #6
7.11.03 Determine and calculate to an indicated precision the length, width, height, perimeter/circumference, area, volume, surface area, angle measures, or sums of angle measures of common geometric figures or combinations of common geometric figures.	Student Edition: 522-528, 535 #59-#62, 581 #11-#16, 587 #3, 601-609, 610-616, 617-621, 732-733 Teacher Wraparound Edition: A 621; DI 525, 618; GA 524; ICE 523, 524, 525, 602, 603, 604, 612, 618; TNT 524

STANDARDS	PAGE REFERENCES
<p>7.11.04 Describe the general trends of how the change in one measure affects other measures in the same figure (e.g., length, area, volume).</p>	<p>Student Edition: 599 #33-#34, 608 #55-#56, 615 #51, 647 #37-#38, 653 #30-#33, 658 #23, 675 #34-#36, 707-713, 723 #16-#18, 724 #7, 725 #15 IL13 #1 <i>Spreadsheet Investigation</i> 694 Teacher Wraparound Edition: DI 709; ICE 708, 709</p>
<p>7.11.05 Determine the linear measure, perimeter, area, surface area, and volume of similar figures.</p>	<p>Student Edition: 599 #33-#34, 608 #55-#56, 615 #51, 647 #37-#38, 653 #30-#33, 658 #23, 675 #34-#36, 707-713, 723 #16-#18, 724 #7, 725 #15 IL13 #1 <i>Spreadsheet Investigation</i> 694 Teacher Wraparound Edition: DI 709; ICE 708, 709</p>
<p>7.11.06 Determine the ratio of perimeters, areas, and volumes of figures.</p>	<p>Student Edition: 599 #33-#34, 608 #55-#56, 615 #51, 647 #37-#38, 653 #30-#33, 658 #23, 675 #34-#36, 707-713, 723 #16-#18, 724 #7, 725 #15 IL13 #1 <i>Spreadsheet Investigation</i> 694 Teacher Wraparound Edition: DI 709; ICE 708, 709</p>
<p>7.11.07 Use measures expressed as rates (e.g., speed, density), measures expressed as products (e.g., person-days), and dimensional analysis (e.g., converting ft/sec to yards/min) to solve problems.</p>	<p>Student Edition: 693 #30, 730-731 IL8 #5, IL10 #1, IL19 #6, IL21 #6</p>
<p>Mathematics – State Goal 8: Algebra</p>	
<p>Standard 8A – Representations, Patterns, and Expressions</p>	
<p>8.11.01 Simplify or identify equivalent algebraic expressions (e.g., exponential, rational, logarithmic, factored, polynomial).</p>	<p>Student Edition: 59 #10, 68 #3, 122 #8, 744-745, 746-747 IL15 #2, IL28 #5</p>
<p>8.11.02 Represent mathematical relationships using symbolic algebra.</p>	<p>Student Edition: 58 #6, 74 #55, 145-150, 156 #40, 171 #24, 173 #14, 284 #4, 300 #3, 304 #41-#42, 314 #43, 331 #17, 369 #49, 372 #3, 373 #6, 379 #3, 501 ex 5, 504 #55-#57, 509 #13-#14, 511 #45-#46, 658 #29, 670 #35 Teacher Wraparound Edition: A 150; DI 146</p>

STANDARDS	PAGE REFERENCES
<p>8.11.03 Identify essential quantitative relationships in a situation, and determine the class or classes of functions (e.g., linear, quadratic, exponential) that model the relationships.</p>	<p>Student Edition: 404 <i>WebQuest 23</i></p>
<p>8.11.04 Determine a specific term, a finite sum, or a rule that generates terms of a pattern.</p>	<p>Student Edition: 35 #45-#49, 74 #56-#61, 327, 404 IL10 #2, IL18 #1, IL25 #5 <i>Spreadsheet Investigation 288</i></p> <p>Teacher Wraparound Edition: CC 327; DI 407; GA 406; TNT 406</p>
<p>8.11.05 Model and describe slope as a constant rate of change.</p>	<p>Student Edition: 139-144, 157 #51-#56, 169 #23-#26 IL12 #3, IL21 #4</p> <p>Teacher Wraparound Edition: CC 141; DI 141; ICE 140, 141</p>
<p>8.11.06 Evaluate variable expressions and functions.</p>	<p>See Glencoe's <i>Algebra 1</i> © 2005</p> <p>Student Edition: 142-148, 149-154, 332-337</p>
<p>Standard 8B – Connections Using Tables, Graphs, and Symbols</p>	
<p>8.11.07 Identify an equation of a line or an equation of a line of best fit from given information (e.g., from a set of ordered pairs, graphs, tables).</p>	<p>Student Edition: 145-150, 157 #47-#50, 164 #39-#41, 169 #21-#34, 172 #8, 404 IL13 #2 <i>WebQuest 23</i></p> <p>Teacher Wraparound Edition: A 150; DI 146; ICE 146</p>
<p>8.11.08 Recognize and describe the general shape and properties of functions from graphs, tables, or equations (e.g., linear, absolute value, quadratic, exponential, logarithmic).</p>	<p>Student Edition: 173 #15, 232 #5, 279 #14, 339 #3, 567 #48 IL19 #4</p>
<p>8.11.09 Identify slope from an equation, table of values, or graph.</p>	<p>Student Edition: 139-144, 157 #51-#56, 169 #23-#26 IL12 #3, IL21 #4</p> <p>Teacher Wraparound Edition: CC 141; DI 141; ICE 140, 141</p>

STANDARDS	PAGE REFERENCES
<p>8.11.10 Interpret the role of the coefficients and constants on the graphs of linear and quadratic functions, given a set of equations.</p>	<p>Student Edition: 194, 463-466, 467 #8-#11, 468 #38-#39, 470-471, 473 #15-#20, 490-493 <i>Geometry Activity</i> 462 <i>Geometry Software Investigation</i> 695 <i>Spreadsheet Investigation</i> 477</p>
<p>8.11.11 Analyze functions by investigating domain, range, rates of change, intercepts, and zeros.</p>	<p>Student Edition: 139-144, 157 #51-#56, 169 #23-#26 IL12 #3, IL21 #4</p> <p>Teacher Wraparound Edition: CC 141; DI 141; ICE 140, 141</p>
<p>8.11.12 Create and connect representations that are tabular, graphic, numeric, and symbolic from a set of data.</p>	<p>Student Edition: 145-150, 157 #47-#50, 164 #39-#41, 169 #21-#34, 172 #8, 404 IL13 #2 <i>WebQuest</i> 23</p> <p>Teacher Wraparound Edition: A 150; DI 146; ICE 146</p>
<p>8.11.13 Represent quantitative relationships graphically, and interpret the meaning of the graph or a specific part of the graph as it relates to the situation represented by the graph.</p>	<p>Student Edition: 58 #6, 74 #55, 145-150, 156 #40, 171 #24, 173 #14, 284 #4, 300 #3, 304 #41-#42, 314 #43, 331 #17, 369 #49, 372 #3, 373 #6, 379 #3, 501 ex 5, 504 #55-#57, 509 #13-#14, 511 #45-#46, 658 #29, 670 #35</p> <p>Teacher Wraparound Edition: A 150; DI 146</p>
<p>Standard 8C, 8D – Writing, Interpreting, and Solving Equations</p>	
<p>8.11.14 Model problems using mathematical functions and relations (e.g., linear, non-linear).</p>	<p>Student Edition: 58 #6, 74 #55, 145-150, 156 #40, 171 #24, 173 #14, 284 #4, 300 #3, 304 #41-#42, 314 #43, 331 #17, 369 #49, 372 #3, 373 #6, 379 #3, 501 ex 5, 504 #55-#57, 509 #13-#14, 511 #45-#46, 658 #29, 670 #35</p> <p>Teacher Wraparound Edition: A 150; DI 146</p>
<p>8.11.15 Interpret the graph of a system of equations and inequalities, including cases where there are no solutions.</p>	<p>Student Edition: 158, 161 ex 3, 742-743 <i>Study Tip</i> 242 IL13 #5</p>

STANDARDS	PAGE REFERENCES
<p>8.11.16 Solve linear equations and inequalities, including selecting and evaluating formulas.</p>	<p>Student Edition: 23 ex 5, 61 #7-#12, 94 ex 1, 97 #8, 305 #50, 348 #50, 719 #39, 737-738, 750-751 <i>Key Concept</i> 596, 603, 610, 650, 655, 656, 661</p>
<p>8.11.17 Solve systems of equations and inequalities.</p>	<p>Student Edition: 158, 161 ex 3, 742-743 <i>Study Tip</i> 242 IL13 #5</p>
<p>8.11.18 Solve quadratic equations over the complex number system, including selecting and evaluating formulas.</p>	<p>Student Edition: IL10 #3, IL20 #3, IL31 #2</p>
<p>8.11.19 Solve problems that include nonlinear functions, including selecting and evaluating formulas (i.e., absolute value, trigonometric, logarithmic, exponential).</p>	<p>Student Edition: IL19 #4</p>
<p>8.11.20 Identify, interpret, and write equations for circles and other conic sections.</p>	<p>Student Edition: 575-580, 586 #50-#57, 587 #21, 589 #17, 600 #39-#42, 609 #68-#70 Teacher Wraparound Edition: ICE 576, 577</p>
<p>8.11.21 Recognize and apply mathematical and algebraic axioms, theorems of algebra, and deductive reasoning.</p>	<p>Student Edition: 82-87, 93 #35, 94-100, 106 #31-#34, 117 #25-#29, 118-119 #39-#46, 121 #4-#6 Teacher Wraparound Edition: A 100; DI 96; ICE 83, 84, 95, 96</p>
<p>8.11.22 Identify equivalent forms of equations, inequalities, and systems of equations.</p>	<p>Student Edition: 23 ex 5, 61 #7-#12, 94 ex 1, 97 #8, 158, 161 ex 3, 305 #50, 348 #50, 719 #39, 737-738, 742-743 <i>Key Concept</i> 596, 603, 610, 650, 655, 656, 661 <i>Study Tip</i> 242 IL13 #5</p>
<p>Standard 9A – Properties of Single Figures and Coordinate Geometry</p>	
<p>9.11.01 Apply the Pythagorean theorem.</p>	<p>Student Edition: 350-356, 363 #45-#50, 370 #72-#75, 393 #13-#15, 397 #7-#9 IL21 #3 <i>Geometry Activity</i> 349 Teacher Wraparound Edition: A 356; DI 352, 353; ICE 351, 352</p>

STANDARDS	PAGE REFERENCES
<p>9.11.02 Identify and represent transformations (rotations, reflections, translations, dilations) of an object in the plane, and describe the effects of transformations on points in words or coordinates.</p>	<p>Student Edition: 463-469, 470-474, 476-481, 488 #42-#45, 490-496, 511 #51-#52, 513 #9-#14, 515 #33-#34 <i>Geometry Activity</i> 462</p> <p>Teacher Wraparound Edition: A 469, 475; CC 491; DI 466, 478; ICE 463, 464, 465, 466, 471, 472, 477, 478, 491, 492</p>
<p>9.11.03 Determine how changing the scale factor affects the size and position of a figure in the plane.</p>	<p>Student Edition: 490-496, 505 #62-#65, 511 #53, 515 #27-#34, 517 #16-#21 <i>Geometry Activity</i> 462</p> <p>Teacher Wraparound Edition: A 497; CC 491; ICE 491, 492, 493</p>
<p>9.11.04 Classify plane figures according to their properties.</p>	<p>Student Edition: 411-416, 417-423, 424-430, 431-437, 439-445 <i>Geometry Activity</i> 438</p> <p>Teacher Wraparound Edition: A 416, 430; BPK 419; DI 413, 419, 427, 433, 434; ICE 412, 413, 418, 419, 420, 426, 433; TT 413, 432</p>
<p>9.11.05 Identify, apply, or solve problems that require knowledge of geometric properties of plane figures (e.g., triangles, quadrilaterals, parallel lines cut by a transversal, angles, diagonals, triangle inequality).</p>	<p>Student Edition: 39 ex 2, 107-114, 120 #55-#58, 121 #13-#15, 133-138, 407 #19-#20, 408 #43, 531 ex 3, 533 #13, 534 #53, 541 #44, 546 ex 3, 549 #7, 555 #7, 557 #28, 784 #2-#10 <i>Geometry Software Investigation</i> 132</p> <p>Teacher Wraparound Edition: A 138; DI 134; GA 110</p>
<p>9.11.06 Identify a three-dimensional object from different perspectives.</p>	<p>Student Edition: 636 ex 1, 639 #4, 640 #9-#15, 643 ex 1, 644 ex 2, 645 ex 3, 646 #25-#27, 647 #28-#31, 648 #41 <i>Construction</i> 24, 31, 33, 200, 207, 425, 433 <i>Geometry Software Investigation</i> 343, 384</p> <p>Teacher Wraparound Edition: DI 644; ICE 637, 644, 645; TT 644</p>
<p>9.11.07 Identify the relationship between two-dimensional patterns (e.g., nets) and related three-dimensional objects (e.g., cylinders, prisms, cones).</p>	<p>Student Edition: 636 ex 1, 639 #4, 640 #9-#15, 643 ex 1, 644 ex 2, 645 ex 3, 646 #25-#27, 647 #28-#31, 648 #41 <i>Construction</i> 24, 31, 33, 200, 207, 425, 433 <i>Geometry Software Investigation</i> 343, 384</p> <p>Teacher Wraparound Edition: DI 644; ICE 637, 644, 645; TT 644</p>

STANDARDS	PAGE REFERENCES
<p>9.11.08 Identify two- and three-dimensional figures that would match a set of given conditions.</p>	<p>Student Edition: 636 ex 1, 639 #4, 640 #9-#15, 643 ex 1, 644 ex 2, 645 ex 3, 646 #25-#27, 647 #28-#31, 648 #41 <i>Construction</i> 24, 31, 33, 200, 207, 425, 433 <i>Geometry Software Investigation</i> 343, 384</p> <p>Teacher Wraparound Edition: DI 644; ICE 637, 644, 645; TT 644</p>
<p>9.11.09 Solve problems that involve calculating distance, midpoint, and slope using coordinate geometry.</p>	<p>Student Edition: 21 ex 2, 23 ex 3b, 25 #23-#28, 26 #48-#49, 55 #20-#27, 57 #12-#14, 139-144, 146 ex 3, 148 #27-#34, 154 ex 4, 156 #38-#39, 164 #39-#43, 169 #23-#28, 180 ex 4, 201 ex 2, 241 ex 3 IL8 #2, IL9 #3, IL11 #2, IL12 #3, IL17 #3</p> <p>Teacher Wraparound Edition: CC 141; ICE 140, 141; TT 140</p>
<p>9.11.10 Identify, apply, and solve problems that require knowledge of geometric relationships of circles (e.g. arcs, chords, tangents, secants, central angles, inscribed angles).</p>	<p>Student Edition: 529-535, 536-543, 544-551, 552-558, 561-568, 569-574 <i>Geometry Activity</i> 559-560</p> <p>Teacher Wraparound Edition: A 535, 543, 551; DI 531, 532, 537; ICE 530, 531, 532, 537, 538, 539, 545, 546, 547; TT 532, 538</p>
<p>9.11.11 Graph, locate, and identify points on a coordinate system.</p>	<p>Student Edition: 728-729</p>
<p>Standard 9B – Relationships Between and Among Multiple Figures</p>	
<p>9.11.12 Solve problems involving similar figures.</p>	<p>Student Edition: 289-297, 298-306, 323 #44-#45, 334 #25-#26 IL20 #4, IL21 #5</p> <p>Teacher Wraparound Edition: A 297, 306; DI 290, 293; ICE 290, 291, 292, 299, 300; TNT 289; TT 299</p>
<p>9.11.13 Solve problems using triangle congruence.</p>	<p>Student Edition: 192-198, 200-206, 207-213, 221 #44-#45, 228 #15-#17, 229 #18-#21, 231 #13-#14 <i>Geometry Activity</i> 214-215 <i>Reading Mathematics</i> 199</p> <p>Teacher Wraparound Edition: A 198, 206, 213, 214; DI 202; H 200; ICE 193, 194, 201, 202, 208, 209; TNT 210; TT 193, 201</p>

STANDARDS	PAGE REFERENCES
<p>9.11.14 Describe how two or more objects are related in space (e.g., skew lines, the possible ways three planes might intersect).</p>	<p>Student Edition: 6-11, 19 #58-#61, 27 #61-#62, 36 #58-#60, 53 #7-#10, 57 #5-#7, 639 ex 3, 640 #25-#27, 641 #28-#30 <i>Reading Mathematics</i> 12</p> <p>Teacher Wraparound Edition: A 11; DI 7; ICE 7, 8, 639; TNT 8; W 6</p>
<p>9.11.15 Identify relationships between circles and other objects in the plane (e.g., inscribed circles, concentric circles, internal/external tangency).</p>	<p>Student Edition: 529-535, 536-543, 544-551, 552-558, 561-568, 569-574 <i>Geometry Activity</i> 559-560</p> <p>Teacher Wraparound Edition: A 535, 543, 551; DI 531, 532, 537; ICE 530, 531, 532, 537, 538, 539, 545, 546, 547; TT 532, 538</p>
<p>Standard 9C – Justifications of Conjectures and Conclusions</p>	
<p>9.11.16 Recognize and apply the conditions that assure congruence and similarity.</p>	<p>Student Edition: 192-198, 200-206, 207-213, 221 #44-#45, 228 #15-#17, 229 #18-#21, 231 #13-#14, 289-297, 298-306, 323 #44-#45, 334 #25-#26 IL20 #4, IL21 #5 <i>Geometry Activity</i> 214-215 <i>Reading Mathematics</i> 199</p> <p>Teacher Wraparound Edition: A 297, 306; DI 290, 293; ICE 290, 291, 292, 299, 300; TNT 289; TT 299</p>
<p>9.11.17 Recognize and apply mathematical and geometric axioms, fundamental theorems of geometry, and deductive reasoning.</p>	<p>Student Edition: 82-87, 89-93, 94-100, 106 #31-#34, 107-114, 117 #25-#29, 118-119 #39-#46, 121 #4-#6</p> <p>Teacher Wraparound Edition: A 93, 100, 106, 114; DI 96; ICE 83, 84, 95, 96</p>
<p>9.11.18 Identify a counter-example to disprove a conjecture.</p>	<p>Student Edition: 63 ex 3, 64 #8-#9, 65 #29-#36, 77 ex 4, 78 #13-#14, 79 #40-#45, 93 #36-#37, 121 #4-#6, 196 #26-#27, 242 #3, 387 #3, 422 #42, 429 #39, 467 #1, 493 #1, 607 #47, 675 #25-#29</p> <p>Teacher Wraparound Edition: A 66; ICE 63, 77</p>

STANDARDS	PAGE REFERENCES
Standard 9D – Trigonometry	
<p>9.11.19 Determine distances and angle measures using indirect measurement (e.g., properties of right triangles, Law of Sines, Law of Cosines).</p>	<p>Student Edition: 21-22, 300 #3, 369 #59-#60, 372 #3, 379 #3, 381 #15, 382 #38-#39 <i>Geometry Activity</i> 28, 349</p>
<p>9.11.20 Solve problems using 45°-45°-90° and 30°-60°-90° triangles.</p>	<p>Student Edition: 357-363, 370 #69-#71, 376 #36-#38, 394 #16-#20, 397 #10-#12 IL22 #5 Teacher Wraparound Edition: A 363; DI 358, 359; ICE 358, 359; TNT 358</p>
<p>9.11.21 Identify graphs of a given trigonometric function (sin x, cos x) using its characteristics (e.g., period, amplitude).</p>	<p>See Glencoe’s <i>Algebra 2</i> © 2005 Student Edition: 762-768, 769-776</p>
<p>9.11.22 Define, identify, and evaluate trigonometric ratios.</p>	<p>Student Edition: 364-370, 371-376, 377-383, 385-390 <i>Geometry Software Investigation</i> 384 Teacher Wraparound Edition: A 370, 376, 383, 390; CC 387; DI 366, 378, 386; ICE 365, 366, 372, 378, 379, 386, 387; TT 365</p>
<p>9.11.23 Use trigonometric identities (e.g., $\sin^2 x + \cos^2 x = 1$)</p>	<p>Student Edition: <i>Geometry Activity</i> 391 Teacher Wraparound Edition: A 391; T 391</p>
Standard 10A, 10B – Data Analysis and Statistics	
<p>10.11.01 Read, interpret, predict, interpolate, extrapolate, and use information from a variety of graphs, charts, and tables.</p>	<p>Student Edition: 404 <i>Geometry Activity</i> 406 <i>Spreadsheet Investigation</i> 288 Teacher Wraparound Edition: GA 406</p>
<p>10.11.02 Translate from one representation of data to another (e.g., a bar graph to a circle graph).</p>	<p>Student Edition: 791 #2-#4 <i>WebQuest</i> 23 Teacher Wraparound Edition: A 627</p>

STANDARDS	PAGE REFERENCES
10.11.03 Solve problems involving Venn diagrams.	Student Edition: 69, 70 ex 3, 71 #1, 72 #15-#17, 73 #41-#44, 93 #38, 641 #42 Teacher Wraparound Edition: ICE 70
10.11.04 Find an unknown value in a dataset given information about descriptive statistics.	Student Edition: IL26 #3
10.11.05 Calculate, interpret, and use measures of central tendency and dispersion.	Student Edition: 144 #45, 183 #45, 245 #35-#36, 254 #60 IL26 #3, IL28 #3
10.11.06 Compare two or more data sets on measures of central tendency and dispersion.	Student Edition: 144 #45, 183 #45, 245 #35-#36, 254 #60 IL26 #3, IL28 #3
Standard 10C – Probability	
10.11.07 Compute the probability of an event composed of single or repeated trials with or without replacement.	Student Edition: 164 #35, 265 #48-#49, 549 #7, 550 #31-#34, 645 #46 Teacher Wraparound Edition: A 627; DI 624
10.11.08 Compute probabilities for compound events.	Student Edition: 632-635
10.11.09 Determine geometric probability based on area.	Student Edition: 622-627, 630 #19-#20, 631 #13-#15, 642 #49-#52, 648 #46 IL29 #6 <i>Geometry Activity 20</i> Teacher Wraparound Edition: A 20, 627; DI 624, 625; ICE 623; T 20
10.11.10 Apply counting techniques (e.g., permutations, combinations, Fundamental Counting Principle).	Student Edition: 278 #4, 265 #48