



Geometry

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STANDARDS	PAGE REFERENCES
M11.A Numbers and Operations	
ASSESSMENT ANCHOR	
M11.A.1 Demonstrate an understanding of numbers, ways of representing numbers, relationships among numbers and number systems.	
M11.A.1.1 Represent and/or use numbers in equivalent forms (e.g., integers, fractions, decimals, percents, square roots, exponents and scientific notation). <i>Reference: 2.1.8.A, 2.1.8.B, 2.1.11.A</i>	
M11.A.1.1.1 Find the square root of an integer to the nearest tenth using either a calculator or estimation.	Student Edition: P3 #60-#63, P19-P20, P21 #54-#59 Teacher Edition: AE P19, P20
M11.A.1.1.2 Express numbers and/or simplify expressions using scientific notation (including numbers less than 1).	This standard can be met in Glencoe's <i>Algebra 1</i> © 2010. Student Edition: 416-422, 429, 438 #54, 461, 463, 572 #56-#58, 713 #89-#90, 830

STANDARDS	PAGE REFERENCES
<p>M11.A.1.1.3 Simplify square roots. (e.g., $\sqrt{24} = 2\sqrt{6}$)</p>	<p>Student Edition: P3 #60-#63, P19-P20, P21 #54-#59</p> <p>Teacher Edition: AE P19, P20</p>
<p>M11.A.1.2 Apply number theory concepts to show relationships between real numbers in problem-solving settings. <i>Reference: 2.1.8.E</i></p>	
<p>M11.A.1.2.1 Find the Greatest Common Factor (GCF) and/or the Least Common Multiple (LCM) for sets of monomials.</p>	<p>This standard can be met in Glencoe's <i>Algebra 1</i> © 2010.</p> <p>Student Edition: 471-473, 476-481, 492, 493-497, 500-503, 507, 514-516, 517, 518-519, 707-713, 714, 717-719, 721-725, 729-730, 731, 733</p>
<p>M11.A.1.3 Estimate the value of an irrational number. <i>Reference: 2.2.8.C</i></p>	
<p>M11.A.1.3.1 Locate/identify irrational numbers at the approximate location on a number line.</p>	<p>This standard can be met in Glencoe's <i>Algebra 1</i> © 2010.</p> <p>Student Edition: P8-P10, 533 #59-#62, 539-541, 557 #63</p>
<p>M11.A.1.3.2 Compare and/or order any real numbers (rational and irrational may be mixed).</p>	<p>Student Edition: 342</p> <p>Also see Glencoe's <i>Algebra 1</i> © 2010.</p> <p>Student Edition: P7-P10, P13, 539</p>
<p>ASSESSMENT ANCHOR</p>	
<p>M11.A.2 Understand the meanings of operations, use operations and understand how they relate to each other.</p>	
<p>M11.A.2.1 Apply ratio and/or proportion in problem-solving situations. <i>Reference: 2.2.11.A, 2.8.11.P</i></p>	
<p>M11.A.2.1.1 Solve problems using operations with rational numbers including rates and percents (single and multi-step and multiple procedure operations) (e.g., distance, work and mixture problems, etc.).</p>	<p>Teacher Edition: DI 459</p> <p>Also see Glencoe's <i>Algebra 1</i> © 2010.</p> <p>Student Edition: P20-P22, P44 #39-#42, 111-117, 119-124, 125, 126-131, 132-138, 142-144, 145, 709, 711-712, 722-726, 730 #54, 731 #28, 732-733, 799 #3</p>

STANDARDS	PAGE REFERENCES
<p>M11.A.2.1.2 Solve problems using direct and inverse proportions.</p>	<p>Student Edition: 457-463 <i>Graphing Technology Lab</i> 464 Teacher Edition: A 463; AE 458, 459; DI 458; F 459</p>
<p>M11.A.2.1.3 Identify and/or use proportional relationships in problem-solving settings.</p>	<p>Student Edition: 457 ex 1, 460 #1-#2, 461 #38, 462 #42, 466 ex 2, 469 #7, 470 #16, 472 #47, 480 #22-#24, 481 #32, 482 #35 Teacher Edition: AE 458, 459, 467</p>
<p>M11.A.2.2 Use exponents, roots and/or absolute value to solve problems. <i>Reference: 2.1.11.A</i></p>	
<p>M11.A.2.2.1 Simplify/evaluate expressions involving positive and negative exponents, roots and/or absolute value (may contain all types of real numbers - exponents should not exceed power of 10).</p>	<p>Student Edition: P3 #18-#23, P10, P19-P20, P21 #16-#21, #54-#59 Teacher Edition: AE P10, P19, P20</p>
<p>M11.A.2.2.2 Simplify/evaluate expressions involving multiplying with exponents (e.g., $x^6 * x^7 = x^{13}$), powers of powers (e.g., $(x^6)^7 = x^{42}$) and powers of products ($(2x^2)^3 = 8x^6$ (positive exponents only)).</p>	<p>Student Edition: 1013-1014, 1015-1016 Teacher Edition: AE 1013, 1015</p>
<p>ASSESSMENT ANCHOR</p>	
<p>M11.A.3 Compute accurately and fluently and make reasonable estimates.</p>	
<p>M11.A.3.1 Apply the order of operations in computation and in problem-solving situations. <i>Reference: 2.2.8.A</i></p>	
<p>M11.A.3.1.1 Simplify/evaluate expressions using the order of operations to solve problems (any rational numbers may be used).</p>	<p>Student Edition: P10 <i>Watch Out</i> P12 Teacher Edition: AE P10</p>
<p>M11.A.3.2 Use estimation strategies in problem-solving situations. <i>Reference: 2.2.11.B, 2.2.11.D</i></p>	
<p>M11.A.3.2.1 Use estimation to solve problems.</p>	<p>Student Edition: 497 ex 2, 498 #3, 499 #10, 569 #56 <i>Problem Solving Tip</i> 661 <i>Study Tip</i> 832, 917 Teacher Edition: AE 497</p>

STANDARDS	PAGE REFERENCES
M11.B Measurement	
ASSESSMENT ANCHOR	
M11.B.1	<p>Demonstrate an understanding of measurable attributes of objects and figures, and the units, systems and processes of measurement.</p> <p>Not assessed at grade 11.</p>
ASSESSMENT ANCHOR	
M11.B.2	<p>Apply appropriate techniques, tools and formulas to determine measurements.</p>
M11.B.2.1	<p>Use and/or compare measurements of angles.</p> <p><i>Reference: 2.3.11.A, 2.3.11.B</i></p>
<p>M11.B.2.1.1</p> <p>Measure and/or compare angles in degrees (up to 360°) (protractor must be provided or drawn).</p>	<p>Student Edition:</p> <p>36-44, 54 #57-#59, 78 #23-#27</p> <p>Teacher Edition:</p> <p>AE 37, 38; DI 37; F 38; TNT 37, 39; TWT 38; WO 38</p>
<p>M11.B.2.2</p> <p>Use and/or develop procedures to determine or describe measures of perimeter, circumference, area, surface area and/or volume. (May require conversions within the same system.)</p> <p><i>Reference: 2.3.8.A, 2.3.8.D</i></p>	
<p>M11.B.2.2.1</p> <p>Calculate the surface area of prisms, cylinders, cones, pyramids and/or spheres. Formulas are provided on the reference sheet.</p>	<p>Student Edition:</p> <p>830-837, 838-846, 856 #7-#10, 863 #48, 864 ex 1, 865 ex 2</p> <p><i>Graphing Technology Lab 855</i></p> <p>Teacher Edition:</p> <p>A 837, 846; AE 831, 832, 833, 839, 840, 841, 842, 865; DI 832, 839; F 832; TNT 831, 840; TWT 832, 840</p>
<p>M11.B.2.2.2</p> <p>Calculate the volume of prisms, cylinders, cones, pyramids and/or spheres. Formulas are provided on the reference sheet.</p>	<p>Student Edition:</p> <p>847-854, 856 #5-#8, 857-863, 866 ex 3, 868 #5-#8, 870 #39</p> <p><i>Graphing Technology Lab 855</i></p> <p>Teacher Edition:</p> <p>A 854, 863; AE 848, 849, 858, 859, 866; DI 853, 854, 863; F 849, 858; TWT 848</p>
<p>M11.B.2.2.3</p> <p>Estimate area, perimeter or circumference of an irregular figure.</p>	<p>Student Edition:</p> <p>794 ex 4-ex 5, 795 #5-#6, 796 #15-#20, 797 #22-#24, 798 #37, 799 #42, 808 #35-#37, 811 #28, 813 #18-#19, 815 #2, 836 #35-#37, 845 #33-#34, 861 #26-#28, 863 #49-#52</p> <p><i>Geometry Lab 800-801</i></p> <p>Teacher Edition:</p> <p>A 799; AE 794, 815; DI 794, 797</p>

STANDARDS	PAGE REFERENCES
<p>M11.B.2.2.4 Find the measurement of a missing length given the perimeter, circumference, area or volume.</p>	<p>Student Edition: 833 ex 4, 835 #26-#27, 867 ex 4 Teacher Edition: AE 833, 849, 867</p>
	<p>M11.B.2.3 Describe how a change in one dimension of a figure (2 or 3 dimensional) affects other measurements of that figure. <i>Reference: 2.3.8.E</i></p>
<p>M11.B.2.3.1 Describe how a change in the linear dimension of a figure affects its perimeter, circumference, area or volume.</p> <ul style="list-style-type: none"> • How does changing the length of the radius of a circle affect the circumference of the circle? • How does changing the length of the edge of a cube affect the volume of the cube? • How does changing the length of the base of a triangle affect the area of the triangle? 	<p>Student Edition: 506 ex 2, 769 #38, 779 #37, 787 #49, 797 #33, 802-808, 812 #30-#35, 817 #6, 828 #44-#46 Teacher Edition: A 808; AE 506, 803, 804; DI 804, 807, 808; F 804; T 802; TWT 506, 803</p>
	<p>M11.C Geometry</p>
	<p>ASSESSMENT ANCHOR M11.C.1 Analyze characteristics and properties of two- and three-dimensional geometric shapes and demonstrate understanding of geometric relationships.</p>
	<p>M11.C.1.1 Identify and/or use parts of circles and segments associated with circles. <i>Reference: 2.9.11.F</i></p>
<p>M11.C.1.1.1 Identify and/or use the properties of a radius, diameter and/or tangent of a circle (given numbers should be whole).</p>	<p>Student Edition: 683 ex 1, 684 ex 2, 687 #2, 688 #22, 689 #45, 700 #68, 717 #2, 718-725, 728, 735 #46-#48, 742 #37-#40 <i>Geometry Lab</i> 726 <i>Key Concept</i> 683, 684 Teacher Edition: A 691, 725; AE 684, 719, 720, 721, 729; DI 721; F 721; TWT 684; WO 685</p>

STANDARDS	PAGE REFERENCES
<p>M11.C.1.1.2 Identify and/or use the properties of arcs, semicircles, inscribed angles and/or central angles.</p>	<p>Student Edition: 693 ex 2, 694 ex 4, 695 ex 5, 701 ex 1, 702 ex 2, 704 #4-#5, 705 #18, 783 ex 3, 784 #5-#6, 785 #18-#23, 786 #27-#29, 787 #44, 788 #50, 789 #14-#17, 811 #21-#22 <i>Key Concept</i> 695, 783</p> <p>Teacher Edition: A 708; AE 694, 695, 702, 703, 783; DI 783</p>
<p>M11.C.1.2 Recognize and/or apply properties of angles, triangles and quadrilaterals. <i>Reference: 2.9.8.D, 2.9.11.C</i></p>	
<p>M11.C.1.2.1 Identify and/or use properties of triangles (e.g., medians, altitudes, angle bisectors, side/angle relationships, Triangle Inequality Theorem).</p>	<p>Student Edition: 322-332, 333-341, 360-366, 376 #47-#49, 380 #26-#30, 381 #14, 383 #5, 384 #2 <i>Geometry Lab</i> 332</p> <p>Teacher Edition: A 341; AE 323, 324, 325, 326, 334, 335, 336, 361, 362; DI 361, 362; T 360; TWT 361</p>
<p>M11.C.1.2.2 Identify and/or use properties of quadrilaterals (e.g., parallel sides, diagonals, bisectors, congruent sides/angles and supplementary angles).</p>	<p>Student Edition: 399-407, 409-417, 419-425, 426-434, 435-444 <i>Graphing Technology Lab</i> 408</p> <p>Teacher Edition: A 407, 408, 425; AE 400, 401, 402, 410, 411, 428; DI 401, 404, 411, 420, 425, 429, 430; T 399, 408, 426; TWT 421, 429; WO 410, 424</p>
<p>M11.C.1.2.3 Identify and/or use properties of isosceles and equilateral triangles.</p>	<p>Student Edition: 236 ex 3, 237 ex 4, 238 #7-#8, 239 #30-#35, 241 #63, 261 #51-#54, 283-291, 307 #45-#47 <i>Key Concept</i> 236</p> <p>Teacher Edition: AE 236, 237, 284, 285, 286; DI 236, 285; T 283; TNT 284; TWT 238, 284</p>
<p>M11.C.1.3 Use properties of congruence, correspondence and similarity in problem-solving settings involving two- and three-dimensional figures. <i>Reference: 2.9.11.B</i></p>	
<p>M11.C.1.3.1 Identify and/or use properties of congruent and similar polygons or solids.</p>	<p>Student Edition: 253-261, 262-270, 273-280, 301-307</p> <p>Teacher Edition: A 261, 270, 280, 307; AE 254, 255, 263, 264, 265, 266, 274, 275, 302, 303; DI 255, 263, 307; TNT 256; TWT 256</p>

STANDARDS	PAGE REFERENCES
<p>M11.C.1.4 Solve problems involving right triangles using the Pythagorean Theorem. <i>Reference: 2.10.11.B</i></p>	
<p>M11.C.1.4.1 Find the measure of a side of a right triangle using the Pythagorean Theorem (Pythagorean Theorem included on the reference sheet).</p>	<p>Student Edition: 541-549, 560 #55, 573 #9-#11, 603 #16-#17, 607 #7-#8, 609 #1, 610 #1, 611 #15 <i>Geometry Lab</i> 540</p> <p>Teacher Edition: A 540, 549; AE 542, 543, 545, 609; DI 543, 544; F 543; TWT 545; WO 542</p>
<p>ASSESSMENT ANCHOR M11.C.2 Identify and/or apply concepts of transformations or symmetry. Not assessed at grade 11.</p>	
<p>ASSESSMENT ANCHOR M11.C.3 Locate points or describe relationships using the coordinate plane.</p>	
<p>M11.C.3.1 Solve problems using analytic geometry. <i>Reference: 2.9.11.G</i></p>	
<p>M11.C.3.1.1 Calculate the distance and/or midpoint between 2 points on a number line or on a coordinate plane (formula provided on the reference sheet).</p>	<p>Student Edition: 27 ex 3, 28 ex 4, 29 ex 6, 30 #9-#10, 31 #11, 32 #33-#38, 33 #63, 34 #67, 45 #9-#10, 54 #60-#62, 78 #18-#19 <i>Geometry Lab</i> 550-551 <i>Key Concept</i> 25, 27 <i>Study Tip</i> 729</p> <p>Teacher Edition: A 35, 551; AE 26, 27, 28, 29; DI 27, 28; F 550; T 550; WO 27</p>
<p>M11.C.3.1.2 Relate slope to perpendicularity and/or parallelism (limit to linear algebraic expressions; slope formula provided on the reference sheet).</p>	<p>Student Edition: 189 ex 3, 190 ex 4, 191 #28-#33, 192 #34-#36, 193 #54, 194 #58, 195 #15-#16, 198 ex 5, 200 #10-#11, 201 #37-#40, 202 #50-#52, 203 #61, 222 #52, 225 #21-#25, 227 #13-#15, 231 #8 <i>Postulates</i> 189 <i>Study Tip</i> 189</p> <p>Teacher Edition: A 194; AE 189, 190, 198</p>

STANDARDS	PAGE REFERENCES
M11.D Algebraic Concepts	
ASSESSMENT ANCHOR	
M11.D.1 Demonstrate an understanding of patterns, relations and functions.	
M11.D.1.1 Analyze and/or use patterns or relations. <i>Reference: 2.8.11.Q, 2.8.11.A, 2.8.11.O</i>	
M11.D.1.1.1 Analyze a set of data for the existence of a pattern and represent the pattern algebraically and/or graphically.	Student Edition: 89-96, 133 #1-#2, 163 #1-#2, 165 #2, 167 #12 Teacher Edition: AE 90, 91, 92; F 93; TNT 92; TWT 90
M11.D.1.1.2 Determine if a relation is a function given a set of points or a graph.	This standard can be met in Glencoe's <i>Algebra 1</i> © 2010 Student Edition: 45-52, 59, 66, 67, 261-268, 817
M11.D.1.1.3 Identify the domain, range or inverse of a relation (may be presented as ordered pairs or a table).	This standard can be met in Glencoe's <i>Algebra 1</i> © 2010 Student Edition: 38-44, 45-52, 53, 65, 67, 80, 131 #54, 138, 243, 251, 261-268, 295, 525-533, 567-577, 605-610, 611, 816, 834
ASSESSMENT ANCHOR	
M11.D.2 Represent and/or analyze mathematical situations using numbers, symbols, words, tables and/or graphs.	
M11.D.2.1 Write, solve and/or graph linear equations and inequalities using various methods. <i>Reference: 2.8.8.F, 2.8.11.D, 2.8.11.H, 2.8.11.J, 2.8.11.N, 2.8.11.L, 2.8.11.K</i>	
M11.D.2.1.1 Solve compound inequalities and/or graph their solution sets on a number line (may include absolute value inequalities).	This standard can be met in Glencoe's <i>Algebra 1</i> © 2010 Student Edition: 304-309, 310-314, 324, 325, 360, 407, 498, 557, 826
M11.D.2.1.2 Identify or graph functions, linear equations or linear inequalities on a coordinate plane.	Student Edition: 190 #9-#11, 192 #34-#39, 193 #51, 225 #24-#25 Teacher Edition: AE 190
M11.D.2.1.3 Write, solve and/or apply a linear equation (including problem situations).	Student Edition: P3 #24-#35, P11-P12, P21 #22-#29, 16 ex 5, 134 ex 1, 137 #5, 138 #17-#18, 161 #34, 163 #8 Teacher Edition: AE P11, P12, 135; F 136; TWT P12; WO P11

STANDARDS	PAGE REFERENCES
<p>M11.D.2.1.4 Write and/or solve systems of equations using graphing, substitution and/or elimination (limit systems to 2 equations).</p>	<p>Student Edition: P3 #54-#59, P17-P18, P21 #48-#53 Teacher Edition: A P18; AE P17, P18</p>
<p>M11.D.2.1.5 Solve quadratic equations using factoring (integers only – not including completing the square or the Quadratic Formula).</p>	<p>Student Edition: 1017-1018 Teacher Edition: AE 1015, 1017; WO 1018</p>
<p>M11.D.2.2 Simplify expressions involving polynomials. <i>Reference: 2.8.11.S</i></p>	
<p>M11.D.2.2.1 Add, subtract and/or multiply polynomial expressions (express answers in simplest form – nothing larger than a binomial multiplied by a trinomial).</p>	<p>Student Edition: 1013-1014 Teacher Edition: AE 1013, 1014; WO 1014</p>
<p>M11.D.2.2.2 Factor algebraic expressions, including difference of squares and trinomials (trinomials limited to the form ax^2+bx+c where a is not equal to 0).</p>	<p>Student Edition: 1017-1018 Teacher Edition: AE 1015, 1017; WO 1018</p>
<p>M11.D.2.2.3 Simplify algebraic fractions.</p>	<p>Student Edition: 1015 ex 1-ex 2, 1016 #1-#10 Teacher Edition: AE 1015</p>
<p>ASSESSMENT ANCHOR</p>	
<p>M11.D.3 Analyze change in various contexts.</p>	
<p>M11.D.3.1 Describe and/or determine change. <i>Reference: 2.8.8.J, 2.11.8.B</i></p>	
<p>M11.D.3.1.1 Identify, describe and/or use constant or varying rates of change.</p>	<p>Student Edition: 186-194, 195 #17-#19, 203 #64-#66, 225 #21-#23, 227 #4-#7, 229 #1, 230 #3, 231 #9 Teacher Edition: AE 187, 188, 189; F 187; T 186; TWT 187; WO 188</p>
<p>M11.D.3.1.2 Determine how a change in one variable relates to a change in a second variable (e.g., $y=4/x$, if x doubles, what happens to y?).</p>	<p>This standard can be met in Glencoe's <i>Algebra 1</i> © 2010 Student Edition: 195-200, 222-223, 670-676</p>

STANDARDS	PAGE REFERENCES
<p>M11.D.3.2 Compute and/or use the slope of a line. Reference: 2.8.11.J, 2.8.11.L</p>	
<p>M11.D.3.2.1 Apply the formula for the slope of a line to solve problems (formula given on reference sheet).</p>	<p>Student Edition: 186-194, 195 #17-#19, 203 #64-#66, 225 #21-#23, 227 #4-#7, 229 #1, 230 #3, 231 #9</p> <p>Teacher Edition: AE 187, 188, 189; F 187; T 186; TWT 187; WO 188</p>
<p>M11.D.3.2.2 Given the graph of the line, 2 points on the line, or the slope and a point on a line, write or identify the linear equation in point-slope, standard and/or slope-intercept form.</p>	<p>Student Edition: 196-203, 212 #48-#50, 222 #53-#56, 225 #27-#32, 227 #13-#15, 231 #13</p> <p><i>Geometry Lab</i> 204</p> <p>Teacher Edition: A 203, 204; AE 197, 198, 199; DI 198; F 198; TNT 197; TWT 198; WO 198</p>
<p>M11.D.3.2.3 Compute the slope and/or y-intercept represented by a linear equation or graph.</p>	<p>Student Edition: 186-194, 195 #17-#19, 203 #64-#66, 225 #21-#23, 227 #4-#7, 229 #1, 230 #3, 231 #9</p> <p>Teacher Edition: AE 187, 188, 189; F 187; T 186; TWT 187; WO 188</p>
<p>ASSESSMENT ANCHOR</p>	
<p>M11.D.4 Describe or use models to represent quantitative relationships.</p>	
<p>M11.D.4.1 Interpret and/or use linear, quadratic and/or exponential functions and their equations, graphs or tables. Reference: 2.8.11.K, 2.8.11.Q</p>	
<p>M11.D.4.1.1 Match the graph of a given function to its table or equation.</p>	<p>Student Edition: 201 #43-#45, 203 #60</p>
<p>M11.E Data Analysis and Probability</p>	
<p>ASSESSMENT ANCHOR</p>	
<p>M11.E.1 Formulate or answer questions that can be addressed with data and/or organize, display, interpret or analyze data.</p>	
<p>M11.E.1.1 Appropriately display and/or use data in problem-solving settings. Reference: 2.6.11.A, 2.6.8.E</p>	
<p>M11.E.1.1.1 Create and/or use appropriate graphical representations of data, including box-and-whisker plots, stem-and-leaf plots or scatter plots.</p>	<p>Student Edition: 91 ex 3, 694 ex 3, 696 #6, 697 #24, 952-953, 954 #5</p> <p>Teacher Edition: AE 694</p>

STANDARDS	PAGE REFERENCES
<p>M11.E.1.1.2 Analyze data and/or answer questions based on displayed data (box-and-whisker plots, stem-and-leaf plots or scatter plots).</p>	<p>Student Edition: 91 ex 3, 694 ex 3, 696 #6, 697 #24, 952-953, 954 #5 Teacher Edition: AE 694</p>
<p>ASSESSMENT ANCHOR</p>	
<p>M11.E.2 Select and/or use appropriate statistical methods to analyze data.</p>	
<p>M11.E.2.1 Use measures of central tendency to describe a set of data. <i>Reference: 2.6.8.A, 2.6.11.A</i></p>	
<p>M11.E.2.1.1 Calculate or select the appropriate measure of central tendency (mean, mode or median) of a set of data given or represented on a table, line plot or stem-and-leaf plot.</p>	<p>This standard can be met in Glencoe's <i>Algebra 1</i> © 2010 Student Edition: P37-P39, P45, 9 #48-#50, 29 #68-#70, 746-755, 757-762, 763, 770</p>
<p>M11.E.2.1.2 Calculate and/or interpret the range, quartiles and interquartile range of data.</p>	<p>This standard can be met in Glencoe's <i>Algebra 1</i> © 2010 Student Edition: P38-P39, 9 #51, 756-762, 763</p>
<p>M11.E.2.1.3 Describe how outliers affect measures of central tendency.</p>	<p>This standard can be met in Glencoe's <i>Algebra 1</i> © 2010 Student Edition: P42-P43, 258, 747-751, 755, 762 #32-#33, 763 #10-#11</p>
<p>ASSESSMENT ANCHOR</p>	
<p>M11.E.3 Understand and/or apply basic concepts of probability or outcomes.</p>	
<p>M11.E.3.1 Apply probability and/or odds to practical situations. <i>Reference: 2.7.11.A, 2.7.11.E</i></p>	
<p>M11.E.3.1.1 Find probabilities for independent, dependent or compound events and represent as a fraction, decimal or percent).</p>	<p>Student Edition: 906-914, 915-921, 922 #7-#15, 930 #30-#31, 931-937, 938-945 Teacher Edition: A 918; AE 907, 908, 909, 910, 916, 917, 932, 933, 934, 939, 940, 941; DI 909, 913, 916, 932, 934; TWT 933</p>
<p>M11.E.3.1.2 Find, convert and/or compare the probability and/or odds of a simple event.</p>	<p>Student Edition: P18-P19, 906-914, 915-921, 922 #7-#15, 930 #30-#31, 931-937, 938-945 Teacher Edition: A 918; AE P8, P9, 907, 908, 909, 910, 916, 917, 932, 933, 934, 939, 940, 941; DI 909, 913, 916, 932, 934; TWT 933</p>

STANDARDS	PAGE REFERENCES
<p>M11.E.3.2 Apply counting techniques in problem-solving settings. <i>Reference: 2.7.8.A</i></p>	
<p>M11.E.3.2.1 Determine the number of permutations and/or combinations or apply the fundamental counting principle (formula provided on the reference sheet).</p>	<p>Student Edition: 899-905 Teacher Edition: A 905; AE 900, 901; DI 900, 904; F 901</p>
<p>ASSESSMENT ANCHOR</p>	
<p>M11.E.4 Develop and/or evaluate inferences and predictions or draw conclusions based on data or data displays.</p>	
<p>M11.E.4.1 Make predictions using data displays and probability. <i>Reference: 2.7.8.E, 2.6.11.D</i></p>	
<p>M11.E.4.1.1 Estimate or calculate to make predictions based on a circle, line, bar graph or given situation.</p>	<p>Student Edition: 91 ex 3, 694 ex 3, 696 #6, 697 #24, 952-953, 954 #5 Teacher Edition: AE 694</p>
<p>M11.E.4.1.2 Use probability to predict outcomes.</p>	<p>Student Edition: P18-P19, 906-914, 915-921, 922 #7-#15, 930 #30-#31, 931-937, 938-945 Teacher Edition: A 918; AE P8, P9, 907, 908, 909, 910, 916, 917, 932, 933, 934, 939, 940, 941; DI 909, 913, 916, 932, 934; TWT 933</p>
<p>M11.E.4.2 Analyze and/or interpret data on a scatter plot and/or use a scatter plot to make predictions. <i>Reference: 2.6.11.C, 2.6.11.D</i></p>	
<p>M11.E.4.2.1 Draw, find and/or write an equation for a line of best fit for a scatter plot.</p>	<p>This standard can be met in Glencoe's <i>Algebra 1</i> © 2010 Student Edition: 245-251, 252, 253-260, 268, 273, 275, 276-277</p>
<p>M11.E.4.2.2 Make predictions using the equations or graphs of best-fit lines of scatter plots.</p>	<p>This standard can be met in Glencoe's <i>Algebra 1</i> © 2010 Student Edition: 245-251, 252, 253-260, 268, 273, 275, 276-277</p>