



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.	Square roots are used on the following page: Student Edition: <i>Study Tip 730</i>
M11.A.1.1.2 Express numbers and/or simplify expressions using scientific notation (including numbers less than 1).	Student Edition: <i>Preparing for Standardized Tests 846 #3, 855 #2</i>
M11.A.1.1.3 Simplify square roots. (e.g., $\sqrt{24} = 2\sqrt{6}$)	Student Edition: <i>Prerequisite Skills 790-791</i>
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>	
M11.A.1.2.1 Find the Greatest Common Factor (GCF) and/or the Least Common Multiple (LCM) for sets of monomials.	Student Edition: <i>Prerequisite Skills 796-797</i>

STANDARDS	PAGE REFERENCES
<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>See Glencoe's <i>Algebra 2</i> © 2008.</p>
<p>M11.A.1.3.2 Compare and/or order any real numbers (rational and irrational may be mixed).</p>	<p>Properties of real numbers can be found on the following page: Student Edition: 111</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>This standard can be found throughout the book. Examples are on the following pages: Student Edition: 27 #46, 55 #25-#26, 63 #5, 157-158 Real-World Example, 160-161 #5, #21, #22, #37-#42, 389 Example 2, 393 #20-#21, 394 #23, 400 Example 3, 401 #12, 418 Example 4, 436 #24, 644 #25, 703 #10, 741 #17 <i>Standardized Test Practice</i> 428 #3 Teacher Wraparound Edition: A 422; AE 51, 382, 391</p>
<p>M11.A.2.1.2 Solve problems using direct and inverse proportions.</p>	<p>Student Edition: 380-385, 388-396, 399 Example 2, 400 Example 3, #4-#6, 401-402 #11-#17, 405-413, 415-422 <i>Mid-Chapter Quiz</i> 404 <i>Practice Test</i> 427 #1-#3, #9-#15 <i>Standardized Test Practice</i> 428 #3 <i>Study Guide and Review</i> 425-426 Teacher Wraparound Edition: A 422; AE 382, 408; DI 399; PAP 414</p>

STANDARDS	PAGE REFERENCES
<p>M11.A.2.1.3 Identify and/or use proportional relationships in problem-solving settings.</p>	<p>Student Edition: 380-385, 388-396, 399 Example 2, 400 Example 3, #4-#6, 401-402 #11-#17, 405-413, 415-422 <i>Mid-Chapter Quiz</i> 404 <i>Practice Test</i> 427 #1-#3, #9-#15 <i>Standardized Test Practice</i> 428 #3 <i>Study Guide and Review</i> 425-426 Teacher Wraparound Edition: A 422; AE 382, 408; DI 399; PAP 414</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: 57 #63-#66 <i>Prerequisite Skills</i> 780, 790-795 <i>Quick Check</i> 5 #13-#15, 77 #3, 727 #6-#9 <i>Standardized Test Practice</i> 74 #4</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: <i>Prerequisite Skills</i> 792-795 <i>Standardized Test Practice</i> 197 #8</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: <i>Prerequisite Skills</i> 780-781 <i>Quick Check</i> 5 #11-#15, 77 #1-#8, 629 #8-#13 <i>Standardized Test Practice</i> 74 #4, 262 #6</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: 707 Example 1 <i>Mid-Chapter Quiz</i> 698 #5 <i>Preparing for Standardized Tests</i> 850 #1 <i>Study Guide and Review</i> 767 #25 <i>Study Tip</i> 660, 694 <i>Test-Taking Tip</i> 745</p>

STANDARDS	PAGE REFERENCES
M11.B Measurement	
ASSESSMENT ANCHOR M11.B.1 Demonstrate an understanding of measurable attributes of objects and figures, and the units, systems and processes of measurement. Not assessed at grade 11.	
ASSESSMENT ANCHOR M11.B.2 Apply appropriate techniques, tools and formulas to determine measurements. M11.B.2.1 Use and/or compare measurements of angles. <i>Reference: 2.3.11.A, 2.3.11.B</i>	
M11.B.2.1.1 Measure and/or compare angles in degrees (up to 360°) (protractor must be provided or drawn).	Student Edition: 31-37 <i>Mid-Chapter Quiz</i> 39 #15-#20 <i>Study Guide and Review</i> 70 #25 Teacher Wraparound Edition: AE 32 #2
M11.B.2.2 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.) <i>Reference: 2.3.8.A, 2.3.8.D</i>	
M11.B.2.2.1 Calculate the surface area of prisms, cylinders, cones, pyramids and/or spheres. Formulas are provided on the reference sheet.	Student Edition: 62-65, 686-691, 693-696, 699-705, 706-710, 711-717 <i>Geometry Lab</i> 67 #2 <i>Mid-Chapter Quiz</i> 698 #10-#15 <i>Practice Test</i> 723 <i>Reading Math</i> 692 <i>Standardized Test Practice</i> 724-725 #3, #6, #10 <i>Study Guide and Review</i> 72 1-7, 720-722 Teacher Wraparound Edition: A 691, 710; AE 687-688, 694, 700-701, 708, 713-714

STANDARDS	PAGE REFERENCES
<p>M11.B.2.2.2 Calculate the volume of prisms, cylinders, cones, pyramids and/or spheres. Formulas are provided on the reference sheet.</p>	<p>Student Edition: 62-66, 728-735, 737-742, 743-748, 757 #43-#49, 764 #47-#50 <i>Geometry Lab</i> 67 #1 <i>Mid-Chapter Quiz</i> 749 <i>Practice Test</i> 769 <i>Standardized Test Practice</i> 770-771 #1-#2, #12a <i>Study Guide and Review</i> 72 1-7, 766-767</p> <p>Teacher Wraparound Edition: AE 62 #2B, 729-731, 738-739, 744-745; DI 745; PAP 742</p>
<p>M11.B.2.2.3 Estimate area, perimeter or circumference of an irregular figure.</p>	<p>Irregular figures can be found on the following pages: Student Edition: 50 Example 1</p> <p>Teacher Wraparound Edition: AE 50</p> <p>Estimating area can be found on the following pages: Student Edition: 707 Real-World Example <i>Mid-Chapter Quiz</i> 698 #5 <i>Study Tip</i> 660, 694</p>
<p>M11.B.2.2.4 Find the measurement of a missing length given the perimeter, circumference, area or volume.</p>	<p>Student Edition: 55-57 #18-#19, #35-#36, #40, #49, #52, #56, 690 #25-#28, 694 Example 3, 695 #4-#5, #14-#17, 703 #15, 709 #13-#14, #16, #18-#19, 710 #36-#37, 732 #14-#15, 733 #20, #24, 748 #43, 757 #50-#51 <i>Mid-Chapter Quiz</i> 698 #8, 749 #1-#2, #4 <i>Practice Test</i> 769 #25 <i>Standardized Test Practice</i> 725 #7</p>

STANDARDS	PAGE REFERENCES
<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.</p> <p><i>Reference: 2.3.8.E</i></p>	
<p>M11.B.2.3.1</p> <p>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:</p> <p>55-56 #27, #30, #40, #43-#44, #46-#48, 65 #23, 635-636 #28-#29, #32, 645 #42-#43, #49, 655 #49, 690 #29-#33, 716 #33, #35, 741 #25</p> <p><i>Practice Test</i> 769 #16-#18</p>
<p>M11.C Geometry</p>	
<p>ASSESSMENT ANCHOR</p>	
<p>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.</p> <p><i>Reference: 2.9.11.F</i></p>	
<p>M11.C.1.1.1</p> <p>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:</p> <p>554-560, 569 #58-#61, 577 #56-#57, 588-596</p> <p><i>Mid-Chapter Quiz</i> 587 #1-#4</p> <p><i>Practice Test</i> 625 #1-#3, #10-#11, #13-#15</p> <p><i>Standardized Test Practice</i> 627 #11</p> <p><i>Study Guide and Review</i> 621 10-1, 623 10-5</p> <p>Teacher Wraparound Edition:</p> <p>A 561, 596; AE 555-557, 589-592; T 554-555</p>
<p>M11.C.1.1.2</p> <p>Identify and/or use the properties of arcs, semicircles, inscribed angles and/or central angles.</p>	<p>Student Edition:</p> <p>563-569, 577 #53-#55, 578-586, 596 #39, 606 #50-#52</p> <p><i>Mid-Chapter Quiz</i> 587 #5, #7-#11, #17-#20</p> <p><i>Practice Test</i> 625 #6, #9</p> <p><i>Standardized Test Practice</i> 626 #1</p> <p><i>Study Guide and Review</i> 621 10-2, 622 10-4</p> <p>Teacher Wraparound Edition:</p> <p>A 569; AE 564-566, 579-582; DI 565; PAP 569</p>

STANDARDS	PAGE REFERENCES
<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: 269-277, 280-287, 293 #35-#39, 296-301, 302-309 <i>Geometry Lab</i> 266-268 <i>Graphing Calculator Lab</i> 295 <i>Mid-Chapter Quiz</i> 294 #1-#10 <i>Standardized Test Practice</i> 314-315 #3, #7, #13 <i>Study Guide and Review</i> 311, 312 5-4 and 5-5</p> <p>Teacher Wraparound Edition: A 287; AE 270, 281, 283-284, 297-298; DI 297; PAP 298</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: 325-330, 333-339, 340-346, 348-354, 356-362, 363-368 <i>Geometry Lab</i> 355 <i>Graphing Calculator Lab</i> 332 <i>Mid-Chapter Quiz</i> 347 #6-#16 <i>Study Guide and Review</i> 370-372</p> <p>Teacher Wraparound Edition: A 330; AE 326-328, 341-343, 357-358, 364-365; DI 335, 341; PAP 351; T 333-334</p>
<p>M11.C.1.2.3 Identify and/or use properties of isosceles and equilateral triangles.</p>	<p>Student Edition: 203-208, 244-250 <i>Practice Test</i> 261 #2, #13-#14, #16 <i>Standardized Test Practice</i> 263 #13b <i>Study Guide and Review</i> 259 4-6</p> <p>Teacher Wraparound Edition: AE 204 #2a-#3, 245-247; PAP 247</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: 217-223, 225-232, 234-241, 388-396, 397-403, 405-414, 415-422 <i>Geometry Lab</i> 242-243 <i>Study Guide and Review</i> 258, 259 4-5, 425 7-2, 426</p> <p>Teacher Wraparound Edition: A 232; AE 218-219, 226-229, 235-237, 398-399; DI 399; PAP 396, 403</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: 22 Example 2, 25-26 #3, #17-#22, 440-446, 537-538 Example 5, 589 Example 1, 701 Examples 2 and 3, 729 Example 1 <i>Geometry Lab</i> 30, 439 <i>Mid-Chapter Quiz</i> 463 #3-#4 <i>Practice Test</i> 491 #4-#6, #9 <i>Quick Check</i> 431 #6-#10 <i>Standardized Test Practice</i> 492 #3-#4 <i>Study Guide and Review</i> 487 8-2 Teacher Wraparound Edition: AE 441-443; PAP 443</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: 21-28, 38 #49-#51, 47 #44-#49 <i>Geometry Lab</i> 30 <i>Mid-Chapter Quiz</i> 39 #5-#12 <i>Practice Test</i> 73 #8-#10 <i>Quick Check</i> 727 #12-#14 <i>Standardized Test Practice</i> 74 #3 <i>Study Guide and Review</i> 70 1-3 Teacher Wraparound Edition: AE 22-24; T 21-22</p>

STANDARDS	PAGE REFERENCES
<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: 158-159, 160 #6-#8, #13-#16, #23-#36, 162 #48-#49, 175 Example 4, 176-177 #7, #18-#19, 179 #47-#48 <i>Mid-Chapter Quiz</i> 164 #13-#18 <i>Practice Test</i> 195 #13-#14 <i>Standardized Test Practice</i> 429 #8 <i>Study Guide and Review</i> 193 3-3 Teacher Wraparound Edition: A 163, 179; AE 159, 175</p>
<p>M11.D Algebraic Concepts</p>	
<p>ASSESSMENT ANCHOR</p>	
<p>M11.D.1 Demonstrate an understanding of patterns, relations and functions.</p>	
<p>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></p>	
<p>M11.D.1.1.1 Analyze a set of data for the existence of a pattern and represent the pattern algebraically and/or graphically.</p>	<p>Making a conjecture based on a pattern can be found on the following pages: Student Edition: 78 Example 1, 80 #1-#2, #7-#15, 90 #56-#61 <i>Graphing Calculator Lab</i> 387 Teacher Wraparound Edition: AE 79 #1; TNT 79</p>
<p>M11.D.1.1.2 Determine if a relation is a function given a set of points or a graph.</p>	<p>Determining if a given situation can be represented by a linear function can be found on the following page: Student Edition: <i>Standardized Test Practice</i> 196 #3</p>
<p>M11.D.1.1.3 Identify the domain, range or inverse of a relation (may be presented as ordered pairs or a table).</p>	<p>See Glencoe's <i>Algebra 1</i> © 2008</p>

STANDARDS	PAGE REFERENCES
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>	
<p>M11.D.2.1.1 Solve compound inequalities and/or graph their solution sets on a number line (may include absolute value inequalities).</p>	<p>Solving inequalities can be found on the following pages: Student Edition: <i>Prerequisite Skills</i> 783-784 Inequalities and triangles can be found on the following pages: Student Edition: 280-287, 296-301, 302-309 <i>Graphing Calculator Lab</i> 295 Teacher Wraparound Edition: AE 281, 283, 303-305</p>
<p>M11.D.2.1.2 Identify or graph functions, linear equations or linear inequalities on a coordinate plane.</p>	<p>The coordinate plane is used on the following pages: Student Edition: 7 Example 3, 21-28, 204-205 Example 4, 207 #37, 227 Example 2, 251-255, 363-368, 534-539 <i>Prerequisite Skills</i> 774-775, 785, 787-788 Teacher Wraparound Edition: AE 8 #3b, 204 #4, 227, 252-253, 364-365, 535-536</p>
<p>M11.D.2.1.3 Write, solve and/or apply a linear equation (including problem situations).</p>	<p>Student Edition: 165-170, 179 #39-#42, 187 #39-#43 <i>Geometry Lab</i> 171 <i>Prerequisite Skills</i> 781-782, 786-787 <i>Standardized Test Practice</i> 197 #10 <i>Study Guide and Review</i> 193 3-4 Teacher Wraparound Edition: AE 166-167; PAP 170</p>
<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: 273-274 Example 3, 274-275 #3, #16-#18 <i>Prerequisite Skills</i> 788-789 Teacher Wraparound Edition: AE 273</p>

STANDARDS	PAGE REFERENCES
<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: <i>Preparing for Standardized Tests</i> 850 #8 <i>Prerequisite Skills</i> 796-797 <i>Standardized Test Practice</i> 725 #7</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: <i>Prerequisite Skills</i> 792-793 <i>Standardized Test Practice</i> 74 #4</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: <i>Prerequisite Skills</i> 796-797 <i>Standardized Test Practice</i> 549 #9</p>
<p>M11.D.2.2.3 Simplify algebraic fractions.</p>	<p>Student Edition: <i>Prerequisite Skills</i> 794-795 <i>Standardized Test Practice</i> 493 #9, 676 #6</p>
<p>ASSESSMENT ANCHOR</p>	
<p>M11.D.3 Analyze change in various contexts. <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: 157-158 Example 2, 160-161 #3-#5, #21-#22, #37-#42, 170 #48, 187 #44 <i>Graphing Calculator Lab</i> 155 <i>Mid-Chapter Quiz</i> 164 #19-#20 <i>Preparing for Standardized Tests</i> 847 #18 Teacher Wraparound Edition: AE 158 #2</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>Student Edition: 55 #27, #30, 56 #40, #43-#44, #46-#48, 65 #23, 635-636 #28-#29, #32, 645 #42-#43, #49, 655 #49, 690 #29-#33, 716 #33, #35, 741 #25 <i>Practice Test</i> 769 #16-#18</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: 156-162, 166 Example 3, 168-169 #7-#8, #25-#28, 170 #48, 179 #41, #43-#48, 187 #39-#44 <i>Geometry Lab</i> 171 <i>Graphing Calculator Lab</i> 155 <i>Mid-Chapter Quiz</i> 164 #13-#20 <i>Practice Test</i> 195 #13-#14 <i>Standardized Test Practice</i> 197 #10 <i>Study Guide and Review</i> 193 3-3, #21-#22 Teacher Wraparound Edition: A 163; AE 157-159</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: 165-170, 179 #39-#42, 187 #39-#43 <i>Prerequisite Skills</i> 786-787 <i>Standardized Test Practice</i> 197 #10, 263 #9 <i>Study Guide and Review</i> 193 3-4 Teacher Wraparound Edition: AE 166-167</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: 156-157, 160 #1, #9-#12, 175 Example 4, 176-177 #7, #18-#19, 179 #43-#48 <i>Geometry Lab</i> 158, 171 <i>Mid-Chapter Quiz</i> 164 #16-#18 <i>Prerequisite Skills</i> 785 Teacher Wraparound Edition: AE 157-158</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: 162 #48 <i>Standardized Test Practice</i> 314 #2</p>

STANDARDS	PAGE REFERENCES
M11.E Data Analysis and Probability	
ASSESSMENT ANCHOR	
M11.E.1 Formulate or answer questions that can be addressed with data and/or organize, display, interpret or analyze data.	
M11.E.1.1 Appropriately display and/or use data in problem-solving settings. <i>Reference: 2.6.11.A, 2.6.8.E</i>	
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.	Student Edition: <i>Preparing for Standardized Tests 851 #18, 856 #8a</i>
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).	Student Edition: <i>Preparing for Standardized Tests 856 #8</i>
ASSESSMENT ANCHOR	
M11.E.2 Select and/or use appropriate statistical methods to analyze data.	
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>	
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.	Student Edition: <i>Preparing for Standardized Tests 843 #9, 847 #17, 856 #8c</i>
M11.E.2.1.2 Calculate and/or interpret the range, quartiles and interquartile range of data.	See Glencoe's <i>Algebra 1</i> © 2008
M11.E.2.1.3 Describe how outliers affect measures of central tendency.	See Glencoe's <i>Algebra 1</i> © 2008

STANDARDS	PAGE REFERENCES
ASSESSMENT ANCHOR	
M11.E.3 Understand and/or apply basic concepts of probability or outcomes.	
M11.E.3.1 Apply probability and/or odds to practical situations. <i>Reference: 2.7.11.A, 2.7.11.E</i>	
M11.E.3.1.1 Find probabilities for independent, dependent or compound events and represent as a fraction, decimal or percent).	Student Edition: 665-671 <i>Practice Test 675 #11-#13</i> <i>Preparing for Standardized Tests 847 #19, 851 #19, 856 #9</i> <i>Study Guide and Review 674 11-5</i> Teacher Wraparound Edition: A 671; AE 667
M11.E.3.1.2 Find, convert and/or compare the probability and/or odds of a simple event.	Student Edition: 665-671 <i>Practice Test 675 #11-#13</i> <i>Study Guide and Review 674 11-5</i> Teacher Wraparound Edition: A 671; AE 667
M11.E.3.2 Apply counting techniques in problem-solving settings. <i>Reference: 2.7.8.A</i>	
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).	Student Edition: <i>Preparing for Standardized Tests 850 #4</i> <i>Study Tip 87</i>

STANDARDS	PAGE REFERENCES
ASSESSMENT ANCHOR	
M11.E.4 Develop and/or evaluate inferences and predictions or draw conclusions based on data or data displays.	
M11.E.4.1 Make predictions using data displays and probability. <i>Reference: 2.7.8.E, 2.6.11.D</i>	
M11.E.4.1.1 Estimate or calculate to make predictions based on a circle, line, bar graph or given situation.	See Glencoe's <i>Algebra 1</i> © 2008
M11.E.4.1.2 Use probability to predict outcomes.	Probability can be found on the following pages: Student Edition: 665-671 <i>Practice Test</i> 675 #11-#13 <i>Preparing for Standardized Tests</i> 847 #19, 851 #19, 856 #9 <i>Study Guide and Review</i> 674 11-5 Teacher Wraparound Edition: A 671; AE 667
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>	
M11.E.4.2.1 Draw, find and/or write an equation for a line of best fit for a scatter plot.	See Glencoe's <i>Algebra 1</i> © 2008
M11.E.4.2.2 Make predictions using the equations or graphs of best-fit lines of scatter plots.	See Glencoe's <i>Algebra 1</i> © 2008