



# ADVANCED Mathematical Concepts

Precalculus  
with Applications  
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STANDARDS	PAGE REFERENCES
<b>M11.A Numbers and Operations</b>	
<b>ASSESSMENT ANCHOR</b>	
<b>M11.A.1</b>	<b>Demonstrate an understanding of numbers, ways of representing numbers, relationships among numbers and number systems.</b>
<b>M11.A.1.1</b>	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>
<b>M11.A.1.1.1</b> Find the square root of an integer to the nearest tenth using either a calculator or estimation.	<b>Student Edition:</b> 286 ex 3, 471 ex 1, 557 ex 5, 615, 632 ex 1 <b>Teacher Wraparound Edition:</b> ICE 291
<b>M11.A.1.1.2</b> Express numbers and/or simplify expressions using scientific notation (including numbers less than 1).	<b>Student Edition:</b> 273 #6, 282 #62, 695 ex 1, 700 #19, 701 #68, 727 ex 2, 749 #4 <b>Teacher Wraparound Edition:</b> ICE 696
<b>M11.A.1.1.3</b> Simplify square roots. (e.g., $\sqrt{24} = 2\sqrt{6}$ )	<b>Student Edition:</b> 286 ex 3, 471 ex 1, 557 ex 5, 615, 632 ex 1 <b>Teacher Wraparound Edition:</b> ICE 291

STANDARDS	PAGE REFERENCES
<p><b>M11.A.1.2</b> Apply number theory concepts to show relationships between real numbers in problem-solving settings. <i>Reference: 2.1.8.E</i></p>	
<p><b>M11.A.1.2.1</b> Find the Greatest Common Factor (GCF) and/or the Least Common Multiple (LCM) for sets of monomials.</p>	<p><b>Student Edition:</b> 77 #23, 196 #48, 221 #45, 232-233 ex 4, 805 #44, 814 #45, 826 #10, 828 #28, 983 #6</p>
<p><b>M11.A.1.3</b> Estimate the value of an irrational number. <i>Reference: 2.2.8.C</i></p>	
<p><b>M11.A.1.3.1</b> Locate/identify irrational numbers at the approximate location on a number line.</p>	<p><b>Student Edition:</b> 206</p>
<p><b>M11.A.1.3.2</b> Compare and/or order any real numbers (rational and irrational may be mixed).</p>	<p>This standard can be met in Glencoe's <i>Algebra 2</i> © 2005 <b>Student Edition:</b> 11, 28, 33, 34, 36 Example 4, 37-38, 43 Example 6 Graphing Calculator Investigation 36</p>
<p><b>ASSESSMENT ANCHOR</b></p>	
<p><b>M11.A.2 Understand the meanings of operations, use operations and understand how they relate to each other.</b></p>	
<p><b>M11.A.2.1</b> Apply ratio and/or proportion in problem-solving situations. <i>Reference: 2.2.11.A, 2.8.11.P</i></p>	
<p><b>M11.A.2.1.1</b> 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><b>Student Edition:</b> 64 ex 2, 65 #3, 179 #51, 273 #6, 282 #62, 606 #46, 695 ex 1, 700 #19, 701 #68, 727 ex 2</p>
<p><b>M11.A.2.1.2</b> Solve problems using direct and inverse proportions.</p>	<p><b>Student Edition:</b> 189-196, 200 #56-#58 <b>Teacher Wraparound Edition:</b> A 196; ICE 190, 191, 192; TT 191</p>
<p><b>M11.A.2.1.3</b> Identify and/or use proportional relationships in problem-solving settings.</p>	<p><b>Student Edition:</b> 189-196, 200 #56-#58, 248 #35, 283 #72, 284-290, 298 #54, 677 #56, 692 ex 1 <b>Teacher Wraparound Edition:</b> A 196; EC 196</p>

STANDARDS	PAGE REFERENCES
<p><b>M11.A.2.2</b> Use exponents, roots and/or absolute value to solve problems.  <b>Reference: 2.1.11.A</b></p>	
<p><b>M11.A.2.2.1</b>  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><b>Student Edition:</b>  273 #6, 282 #62, 695-702, 717 #1-#5, 727 ex 2, 750 #11-#20  <b>Teacher Wraparound Edition:</b>  A 703; AIN 698; EC 702; FTC 699; ICE 696, 697, 698, 699; TT 696, 697</p>
<p><b>M11.A.2.2.2</b>  Simplify/evaluate expressions involving multiplying with exponents (e.g., <math>x^6 * x^7 = x^{13}</math>), powers of powers (e.g., <math>(x^6)^7 = x^{42}</math>) and powers of products (<math>(2x^2)^3 = 8x^6</math>) (positive exponents only).</p>	<p><b>Student Edition:</b>  273 #6, 282 #62, 695-702, 717 #1-#5, 727 ex 2, 750 #11-#20  <b>Teacher Wraparound Edition:</b>  A 703; AIN 698; EC 702; FTC 699; ICE 696, 697, 698, 699; TT 696, 697</p>
<p><b>ASSESSMENT ANCHOR</b></p>	
<p><b>M11.A.3</b> Compute accurately and fluently and make reasonable estimates.</p>	
<p><b>M11.A.3.1</b> Apply the order of operations in computation and in problem-solving situations.  <b>Reference: 2.2.8.A</b></p>	
<p><b>M11.A.3.1.1</b>  Simplify/evaluate expressions using the order of operations to solve problems (any rational numbers may be used).</p>	<p><b>Student Edition:</b>  12 #57, 56 #32, 64 ex 2, 65 #6, 72 #45</p>
<p><b>M11.A.3.2</b> Use estimation strategies in problem-solving situations.  <b>Reference: 2.2.11.B, 2.2.11.D</b></p>	
<p><b>M11.A.3.2.1</b>  Use estimation to solve problems.</p>	<p><b>Student Edition:</b>  272 ex 2, 744 #6c, 745 #14c, 747 #21d, 974 #45</p>
<p><b>M11.B Measurement</b></p>	
<p><b>ASSESSMENT ANCHOR</b></p>	
<p><b>M11.B.1</b> Apply appropriate techniques, tools and formulas to determine measurements.</p>	
<p><b>M11.B.1.1</b> Use and/or compare measurements of angles.  <b>Reference: 2.3.11.A, 2.3.11.B</b></p>	
<p><b>M11.B.1.1.1</b>  Measure and/or compare angles in degrees (up to 360°) (protractor must be provided or drawn).</p>	<p><b>Student Edition:</b>  418 ex 1, 419 #10  <i>History of Mathematics</i> 319</p>

STANDARDS	PAGE REFERENCES
<p><b>M11.B.1.2</b> 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><b>Reference: 2.3.8.A, 2.3.8.D</b></p>	
<p><b>M11.B.1.2.1</b> Calculate the surface area of prisms, cylinders, cones, pyramids and/or spheres. Formulas are provided on the reference sheet.</p>	<p><b>Student Edition:</b> 187 #44, 549 #8</p>
<p><b>M11.B.1.2.2</b> Calculate the volume of prisms, cylinders, cones, pyramids and/or spheres. Formulas are provided on the reference sheet.</p>	<p><b>Student Edition:</b> 168 #46, 178 #35, 192 ex 5, 226 #13, 227 #44, 233 #9, 235 #10, 492 #50, 701 #68, 975 #50</p>
<p><b>M11.B.1.2.3</b> Estimate area, perimeter or circumference of an irregular figure.</p>	<p><b>Student Edition:</b> 257 #51, 533 #29, 549 #6, 684 #50, 964 ex 2, 966 #10-#12, 967 #27, 972 ex 3, 973 #7, 983 #4</p> <p><b>Teacher Wraparound Edition:</b> ICE 964</p>
<p><b>M11.B.1.2.4</b> Find the measurement of a missing length given the perimeter, circumference, area or volume.</p>	<p><b>Student Edition:</b> 77 #28, 303 #22, 549 #10, 693 #7</p>
<p><b>M11.B.1.3</b> Describe how a change in one dimension of a figure (2 or 3 dimensional) affects other measurements of that figure.</p> <p><b>Reference: 2.3.8.E</b></p>	
<p><b>M11.B.1.3.1</b> 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"> <li>• How does changing the length of the radius of a circle affect the circumference of the circle?</li> <li>• How does changing the length of the edge of a cube affect the volume of the cube?</li> <li>• How does changing the length of the base of a triangle affect the area of the triangle?</li> </ul>	<p>This standard can be met in Glencoe's <i>Geometry</i> © 2005</p> <p><b>Student Edition:</b> 495 #38, 509 #13-#14, 599 #32-#34, 607 #47, 615 #49-#54, 647 #36-#38, 653 #29-#33, 658 #21, 707-710</p> <p><i>Spreadsheet Investigation</i> 695</p>

STANDARDS	PAGE REFERENCES
<b>M11.C Geometry</b>	
<b>ASSESSMENT ANCHOR</b>	
<b>M11.C.1 Analyze characteristics and properties of two- and three-dimensional geometric shapes and demonstrate understanding of geometric relationships.</b>	
<b>M11.C.1.1 Identify and/or use parts of circles and segments associated with circles.</b> <i>Reference: 2.9.11.F</i>	
<b>M11.C.1.1.1</b> Identify and/or use the properties of a radius, diameter and/or tangent of a circle (given numbers should be whole).	<b>Student Edition:</b> 95 #31, 283 #78, 343-351, 548 ex 1, 623-630
<b>M11.C.1.1.2</b> Identify and/or use the properties of arcs, semicircles, inscribed angles and/or central angles.	<b>Student Edition:</b> 105 #62, 300 ex 3, 317 #30, 346 ex 3, 348 #11-#12, 349 #40, 350 #61, 376 #64, 476 #32, 612 ex 2, 623-630, 969 #1 <b>Teacher Wraparound Edition:</b> ICE 300, 346
<b>M11.C.1.2 Recognize and/or apply properties of angles, triangles and quadrilaterals.</b> <i>Reference: 2.9.8.D, 2.9.11.C</i>	
<b>M11.C.1.2.1</b> Identify and/or use properties of triangles (e.g., medians, altitudes, angle bisectors, side/angle relationships, Triangle Inequality Theorem).	<b>Student Edition:</b> 36 #31, 302 #8, 419 #10, 473 ex 3
<b>M11.C.1.2.2</b> Identify and/or use properties of quadrilaterals (e.g., parallel sides, diagonals, bisectors, congruent sides/angles and supplementary angles).	<b>Student Edition:</b> 331 #25, 412 #49, 560 #65, 620 #21, 621 #31
<b>M11.C.1.2.3</b> Identify and/or use properties of isosceles and equilateral triangles.	<b>Student Edition:</b> 71 #33, 302 #8, 326 #46, 483 #10, 516 ex 4, 619 #3, 620 #9, 621 #30, 833 #56
<b>M11.C.1.3 Use properties of congruence, correspondence and similarity in problem-solving settings involving two- and three- dimensional figures.</b> <i>Reference: 2.9.11.B</i>	
<b>M11.C.1.3.1</b> Identify and/or use properties of congruent and similar polygons or solids.	<b>Student Edition:</b> 92 ex 4, 93 #14, 483 #8, 717 #25 <i>Graphing Calculator Exploration 284</i>

STANDARDS	PAGE REFERENCES
<p><b>M11.C.1.4</b> Solve problems involving right triangles using the Pythagorean Theorem.  <i>Reference: 2.10.11.B</i></p>	
<p><b>M11.C.1.4.1</b>            Find the measure of a side of a right triangle using the Pythagorean Theorem (Pythagorean Theorem included on the reference sheet).</p>	<p><b>Student Edition:</b>            286 ex 4, 291, 294 ex 4, 306 ex 2, 327, 340 ex 1, 341 #1, 423, 489 ex 6, 616 ex 2, 620 #11, 632 ex 1  <b>Teacher Wraparound Edition:</b>            ICE 286, 294, 423, 489</p>
<p><b>ASSESSMENT ANCHOR</b>  <b>M11.C.2</b> Locate points or describe relationships using the coordinate plane.</p>	
<p><b>M11.C.2.1</b> Solve problems using analytic geometry.  <i>Reference: 2.9.11.G</i></p>	
<p><b>M11.C.2.1.1</b>            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><b>Student Edition:</b>            273 #8, 471 ex 1, 557 ex 5, 615, 633, 643</p>
<p><b>M11.C.2.1.2</b>            Relate slope to perpendicularity and/or parallelism (limit to linear algebraic expressions; slope formula provided on the reference sheet).</p>	<p><b>Student Edition:</b>            32-37, 51 #32, 56 #29, 59 #47-#52  <b>Teacher Wraparound Edition:</b>            A 37; AIN 34; EC 37; ICE 32, 34, 35</p>
<p><b>M11.D Algebraic Concepts</b></p>	
<p><b>ASSESSMENT ANCHOR</b>  <b>M11.D.1</b> Demonstrate an understanding of patterns, relations and functions.</p>	
<p><b>M11.D.1.1</b> Analyze and/or use patterns or relations.  <i>Reference: 2.8.11.Q, 2.8.11.A, 2.8.11.O</i></p>	
<p><b>M11.D.1.1.1</b>            Analyze a set of data for the existence of a pattern and represent the pattern algebraically and/or graphically.</p>	<p><b>Student Edition:</b>            759-765, 766-773, 774-783, 793 #6, 806-814  <b>Teacher Wraparound Edition:</b>            AIN 761, 779; EC 764; F 766; ICE 760, 761, 762, 766, 768, 770, 779</p>
<p><b>M11.D.1.1.2</b>            Determine if a relation is a function given a set of points or a graph.</p>	<p><b>Student Edition:</b>            6 ex 4, 8 #3, 9 #10-#11, 10 #32-#37, 19 #36, 31 #1  <b>Teacher Wraparound Edition:</b>            A 12; ICE 6</p>
<p><b>M11.D.1.1.3</b>            Identify the domain, range or inverse of a relation (may be presented as ordered pairs or a table).</p>	<p><b>Student Edition:</b>            5-11, 19 #34, 31 #1, 44 #18, 51 #36  <b>Teacher Wraparound Edition:</b>            ICE 5, 6</p>

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<b>ASSESSMENT ANCHOR</b>		
<b>M11.D.2</b>	<b>Represent and/or analyze mathematical situations using numbers, symbols, words, tables and/or graphs.</b>	
<b>M11.D.2.1</b>	<b>Write, solve and/or graph linear equations and inequalities using various methods.</b> <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>	
<b>M11.D.2.1.1</b>	Solve compound inequalities and/or graph their solution sets on a number line (may include absolute value inequalities).	<b>Student Edition:</b> 54 #2, 55 #19, 60 #59-#66, 136 #47, 221 #40, 318 #41 <b>Teacher Wraparound Edition:</b> EC 56
<b>M11.D.2.1.2</b>	Identify or graph functions, linear equations or linear inequalities on a coordinate plane.	<b>Student Edition:</b> 5-12, 20-25, 31 #30, 32-37, 45-51
<b>M11.D.2.1.3</b>	Write, solve and/or apply a linear equation (including problem situations).	<b>Student Edition:</b> 38-44, 86 #64, 96 #42, 118 #28, 125 #6, 235 #33, 258-264, 499 #57, 542 #30 <b>Teacher Wraparound Edition:</b> A 44, 264; AIN 40, 260; EC 44; FTC 39
<b>M11.D.2.1.4</b>	Write and/or solve systems of equations using graphing, substitution and/or elimination (limit systems to 2 equations).	<b>Student Edition:</b> 67-72, 73-77, 86 #64, 96 #36, 104 #55, 120 #17-#19 <b>Teacher Wraparound Edition:</b> A 72, 77; AIN 69, 75; EC 72, 76; ICE 74, 75
<b>M11.D.2.1.5</b>	Solve quadratic equations using factoring (integers only – not including completing the square or the Quadratic Formula).	<b>Student Edition:</b> 213 ex 1, 219 #9, 220 #29, 268 #16 <b>Teacher Wraparound Edition:</b> FTC 214; ICE 214
<b>M11.D.2.2</b>	<b>Simplify expressions involving polynomials.</b> <i>Reference: 2.8.11.S</i>	
<b>M11.D.2.2.1</b>	Add, subtract and/or multiply polynomial expressions (express answers in simplest form – nothing larger than a binomial multiplied by a trinomial).	<b>Student Edition:</b> 184 ex 4, 202 ex 2, 203 #6
<b>M11.D.2.2.2</b>	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).	<b>Student Edition:</b> 202 ex 1, 213 ex 1, 219 #9, 220 #29, 268 #16 <b>Teacher Wraparound Edition:</b> FTC 214; ICE 214

STANDARDS	PAGE REFERENCES
<b>M11.D.2.2.3</b> Simplify algebraic fractions.	<b>Student Edition:</b> 180-188, 202 ex 1, 203 #1, 243-250 <b>Teacher Wraparound Edition:</b> H 181
<b>ASSESSMENT ANCHOR</b>	
<b>M11.D.3 Analyze change in various contexts.</b>	
<b>M11.D.3.1 Describe and/or determine change.</b> <i>Reference: 2.8.8.J, 2.11.8.B</i>	
<b>M11.D.3.1.1</b> Identify, describe and/or use constant or varying rates of change.	<b>Student Edition:</b> 21 ex 2, 23 #11, 24 #35, 44 #16, 51 #33, 56 #30, 977 #9 <b>Teacher Wraparound Edition:</b> A 37; AIN 23; ICE 21; MTL 27
<b>M11.D.3.1.2</b> 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 $y$ ?).	<b>Student Edition:</b> <i>Graphing Calculator Exploration 26</i>
<b>M11.D.3.2 Compute and/or use the slope of a line.</b> <i>Reference: 2.8.11.J, 2.8.11.L</i>	
<b>M11.D.3.2.1</b> Apply the formula for the slope of a line to solve problems (formula given on reference sheet).	<b>Student Edition:</b> 21 ex 2, 23 #11, 24 #35, 44 #16, 51 #33, 56 #30, 977 #9 <b>Teacher Wraparound Edition:</b> A 37; AIN 23; ICE 21; MTL 27
<b>M11.D.3.2.2</b> 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.	<b>Student Edition:</b> 27-31, 32-37, 44 #15, 51 #32, 56 #29, 59 #39-#52 <b>Teacher Wraparound Edition:</b> A 31, 37; EC 37; F 32; ICE 28, 29, 34, 35
<b>M11.D.3.2.3</b> Compute the slope and/or y-intercept represented by a linear equation or graph.	<b>Student Edition:</b> 20 ex 1, 22 ex 4, 23 #5-#8, 44 #16, 56 #30 <b>Teacher Wraparound Edition:</b> A 37; AIN 23; EC 30; ICE 21

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<b>ASSESSMENT ANCHOR</b>		
<b>M11.D.4 Describe or use models to represent quantitative relationships.</b>		
<b>M11.D.4.1</b> Interpret and/or use linear, quadratic and/or exponential functions and their equations, graphs or tables. <i>Reference: 2.8.11.K, 2.8.11.Q</i>		
<b>M11.D.4.1.1</b> Match the graph of a given function to its table or equation.	<b>Student Edition:</b> 5-12, 20-25, 59 #31-#38 <i>Graphing Calculator Exploration 26</i> <b>Teacher Wraparound Edition:</b> ICE 6, 21, 22	
<b>M11.E Data Analysis and Probability</b>		
<b>ASSESSMENT ANCHOR</b>		
<b>M11.E.1 Formulate or answer questions that can be addressed with data and/or organize, display, interpret or analyze data.</b>		
<b>M11.E.1.1</b> Appropriately display and/or use data in problem-solving settings. <i>Reference: 2.6.11.A, 2.6.8.E</i>		
<b>M11.E.1.1.1</b> Create and/or use appropriate graphical representations of data, including box-and-whisker plots, stem-and-leaf plots or scatter plots.	<b>Student Edition:</b> 889-896, 907 #34, 917 #29, 934 #11-#13 <b>Teacher Wraparound Edition:</b> A 896; AIN 891; EC 895; ICE 890, 891, 892; MTL 889	
<b>M11.E.1.1.2</b> Analyze data and/or answer questions based on displayed data (box-and-whisker plots, stem-and-leaf plots or scatter plots).	<b>Student Edition:</b> 889-896, 914 #1, 925 #20, 934 #11-#13, 937 #2, 939 #1 <b>Teacher Wraparound Edition:</b> EC 895, 916; MTL 889	
<b>ASSESSMENT ANCHOR</b>		
<b>M11.E.2 Select and/or use appropriate statistical methods to analyze data.</b>		
<b>M11.E.2.1</b> Use measures of central tendency to describe a set of data. <i>Reference: 2.6.8.A, 2.6.11.A</i>		
<b>M11.E.2.1.1</b> 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.	<b>Student Edition:</b> 111 #33, 150 #43, 897-907, 908-917, 925 #23, 934 #14-#18, 935 #19-#22, 937 #41, 939 #9	
<b>M11.E.2.1.2</b> Calculate and/or interpret the range, quartiles and interquartile range of data.	<b>Student Edition:</b> 909, 914 #1, 915 #9-#12, 916 #22 <b>Teacher Wraparound Edition:</b> ICE 909	

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<p><b>M11.E.2.1.3</b> Describe how outliers affect measures of central tendency.</p>	<p><b>Student Edition:</b> 909, 915 #20, 916 #23</p>
<p><b>ASSESSMENT ANCHOR</b></p>	
<p><b>M11.E.3 Understand and/or apply basic concepts of probability or outcomes.</b></p>	
<p><b>M11.E.3.1 Apply probability and/or odds to practical situations.</b> <i>Reference: 2.7.11.A, 2.7.11.E</i></p>	
<p><b>M11.E.3.1.1</b> Find probabilities for independent, dependent or compound events and represent as a fraction, decimal or percent).</p>	<p><b>Student Edition:</b> 837-845, 852-858, 859-867, 868-874, 875-880, 883 #27-#30, 884 #37-#47, 885 #50-#51, 887 #6 <b>Teacher Wraparound Edition:</b> A 867; AIN 854; EC 867; ICE 860, 861, 862; TT 838</p>
<p><b>M11.E.3.1.2</b> Find, convert and/or compare the probability and/or odds of a simple event.</p>	<p><b>Student Edition:</b> 854 ex 3, 855 #3, 856 #12 <b>Teacher Wraparound Edition:</b> A 858; EA 855; ICE 854</p>
<p><b>M11.E.3.2 Apply counting techniques in problem-solving settings.</b> <i>Reference: 2.7.8.A</i></p>	
<p><b>M11.E.3.2.1</b> Determine the number of permutations and/or combinations or apply the fundamental counting principle (formula provided on the reference sheet).</p>	<p><b>Student Edition:</b> 837-845, 846-851, 857 #44-#45, 867 #57, 882 #14-#26 <b>Teacher Wraparound Edition:</b> A 845, 851; AIN 841, 848; EC 845, 850; F 846, 852; FTC 838; ICE 838, 839, 840, 841, 842</p>
<p><b>ASSESSMENT ANCHOR</b></p>	
<p><b>M11.E.4 Develop and/or evaluate inferences and predictions or draw conclusions based on data or data displays.</b></p>	
<p><b>M11.E.4.1 Make predictions using data displays and probability.</b> <i>Reference: 2.7.8.E, 2.6.11.D</i></p>	
<p><b>M11.E.4.1.1</b> Estimate or calculate to make predictions based on a circle, line, bar graph or given situation.</p>	<p><b>Student Edition:</b> 889-896, 914 #1, 925 #20, 934 #11-#13, 937 #2, 939 #1 <b>Teacher Wraparound Edition:</b> EC 895, 916; MTL 889</p>
<p><b>M11.E.4.1.2</b> Use probability to predict outcomes.</p>	<p><b>Student Edition:</b> 889-896, 914 #1, 925 #20, 934 #11-#13, 937 #2, 939 #1 <b>Teacher Wraparound Edition:</b> EC 895, 916; MTL 889</p>

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<p><b>M11.E.4.2</b> Analyze and/or interpret data on a scatter plot and/or use a scatter plot to make predictions.</p> <p><i>Reference: 2.6.11.C, 2.6.11.D</i></p>	
<p><b>M11.E.4.2.1</b> Draw, find and/or write an equation for a line of best fit for a scatter plot.</p>	<p><b>Student Edition:</b> 38-44, 51 #31, 60 #53, 61 #69, 151 #51, 258-263</p> <p><b>Teacher Wraparound Edition:</b> A 264; AIN 40; EC 44; FTC 39; ICE 39, 40, 259, 260</p>
<p><b>M11.E.4.2.2</b> Make predictions using the equations or graphs of best-fit lines of scatter plots.</p>	<p><b>Student Edition:</b> 38-44, 51 #31, 60 #53, 61 #69, 151 #51, 258-263</p> <p><b>Teacher Wraparound Edition:</b> A 264; AIN 40; EC 44; FTC 39; ICE 39, 40, 259, 260</p>