



# Math Connects

Concepts, Skills, and Problem Solving

Course **3**

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STANDARDS	PAGE REFERENCES
<p><b>Number &amp; Operation</b></p>	
<p>Read, write, compare, classify and represent real numbers, and use them to solve problems in various contexts.</p>	
<p>8.1.1.1 Classify real numbers as rational or irrational. Know that when a square root of a positive integer is not an integer, then it is irrational. Know that the sum of a rational number and an irrational number is irrational, and the product of a non-zero rational number and an irrational number is irrational.</p> <p><i>For example:</i> Classify the following numbers as whole numbers, integers, rational numbers, irrational numbers, recognizing that some numbers belong in more than one category: <math>\frac{6}{3}</math>, <math>\frac{3}{6}</math>, <math>3.\bar{6}</math>, <math>\frac{\pi}{2}</math>, <math>-\sqrt{4}</math>, <math>\sqrt{10}</math>, <math>-6.7</math>.</p>	<p><b>Student Edition:</b> 84-89, 155-159 <i>Reading to Solve Problems</i> 90 <i>Mid-Chapter Quiz</i> 160 <i>Study Guide and Review</i> 181 <i>Practice Test</i> 183</p> <p><b>Teacher Edition:</b> A 159; AE 156; DI 157; FMC 85, 156; PAA 86; SQ 84, 155</p>

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<p>8.1.1.2</p> <p>Compare real numbers; locate real numbers on a number line. Identify the square root of a positive integer as an integer, or if it is not an integer, locate it as a real number between two consecutive positive integers.</p> <p><i>For example:</i> Put the following numbers in order from smallest to largest: 2, <math>\sqrt{3}</math>, -4, -6.8, <math>-\sqrt{37}</math>.</p> <p><i>Another example:</i> <math>\sqrt{68}</math> is an irrational number between 8 and 9.</p>	<p><b>Student Edition:</b> 91-95, 144-147, 147 #50-#53, 148-151, 155-159 <i>Study Tip</i> 156 <i>Mid-Chapter Quiz</i> 160 <i>Study Guide and Review</i> 180-181 <i>Practice Test</i> 183</p> <p><b>Teacher Edition:</b> 144b, 148b A 95, 151; AE 149, 156-157; DI 93; FMC 145, 149; SQ 144; TNT 147</p>
<p>8.1.1.3</p> <p>Determine rational approximations for solutions to problems involving real numbers.</p> <p><i>For example:</i> A calculator can be used to determine that <math>\sqrt{7}</math> is approximately 2.65.</p> <p><i>Another example:</i> To check that <math>1\frac{5}{12}</math> is slightly bigger than <math>\sqrt{2}</math>, do the calculation</p> $\left(1\frac{5}{12}\right)^2 = \left(\frac{17}{12}\right)^2 = \frac{289}{144} = 2\frac{1}{144}.$ <p><i>Another example:</i> Knowing that <math>\sqrt{10}</math> is between 3 and 4, try squaring numbers like 3.5, 3.3, 3.1 to determine that 3.1 is a reasonable rational approximation of <math>\sqrt{10}</math>.</p>	<p><b>Student Edition:</b> 147 #50-#53, 148-151, 155-159, 166 #35-#39, 171 #24 <i>Mid-Chapter Quiz</i> 160 <i>Geometry Lab</i> 172 <i>Study Guide and Review</i> 180 <i>Practice Test</i> 183</p> <p><b>Teacher Edition:</b> 148b A 151; AE 149, 156-157; DI 150; FMC 149; SQ 148</p>
<p>8.1.1.4</p> <p>Know and apply the properties of positive and negative integer exponents to generate equivalent numerical expressions.</p> <p><i>For example:</i> <math>3^2 \times 3^{(-5)} = 3^{(-3)} \left(\frac{1}{3}\right)^3 = \frac{1}{27}</math>.</p>	<p><b>Student Edition:</b> 29-34, 126-129, 130-133, 159 #48-#51 <i>Study Guide and Review</i> 138 <i>Practice Test</i> 139</p> <p><b>Teacher Edition:</b> 29b, 126b AE 30-31, 127; FMC 30, 127; PAA 32, 129; SQ 126; TNT 127, 133</p>

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<p>8.1.1.5</p> <p>Express approximations of very large and very small numbers using scientific notation; understand how calculators display numbers in scientific notation. Multiply and divide numbers expressed in scientific notation, express the answer in scientific notation, using the correct number of significant digits when physical measurements are involved.</p> <p><i>For example:</i> <math>(4.2 \times 10^4) \times (8.25 \times 10^3) = 3.465 \times 10^8</math>, but if these numbers represent physical measurements, the answer should be expressed as <math>3.5 \times 10^8</math> because the first factor, <math>4.2 \times 10^4</math>, only has two significant digits.</p>	<p><b>Student Edition:</b> 130-133, 147 #45, 151 #37 <i>Study Guide and Review</i> 138 <i>Practice Test</i> 139 <i>Test Practice</i> 140 #7</p> <p><b>Teacher Edition:</b> 130b A 133; AE 131; DI 132; FMC 131; PAA 133; SQ 131; TNT 133</p>
<p><b>Algebra</b></p> <p>Understand the concept of function in real-world and mathematical situations, and distinguish between linear and non-linear functions.</p>	
<p>8.2.1.1</p> <p>Understand that a function is a relationship between an independent variable and a dependent variable in which the value of the independent variable determines the value of the dependent variable. Use functional notation, such as <math>f(x)</math>, to represent such relationships.</p> <p><i>For example:</i> The relationship between the area of a square and the side length can be expressed as <math>f(x) = x^2</math>. In this case, <math>f(5) = 25</math>, which represents the fact that a square of side length 5 units has area 25 units squared.</p>	<p><b>Student Edition:</b> 469-473, 480 #29-#31, 486 #42, 527 <i>Algebra Lab</i> 474 <i>Mid-Chapter Quiz</i> 494 <i>Study Guide and Review</i> 519 <i>Practice Test</i> 523</p> <p><b>Teacher Edition:</b> 469b A 473; AE 470; FMC 470; PAA 470; SQ 469; TNT 469</p>
<p>8.2.1.2</p> <p>Use linear functions to represent relationships in which changing the input variable by some amount leads to a change in the output variable that is a constant times that amount.</p> <p><i>For example:</i> Uncle Jim gave Emily \$50 on the day she was born and \$25 on each birthday after that. The function <math>f(x) = 50 + 25x</math> represents the amount of money Jim has given after <math>x</math> years. The rate of change is \$25 per year.</p>	<p><b>Student Edition:</b> 475-480, 486 #38-#41, 492 #32, 499 #51 <i>Study Tip</i> 476 <i>Mid-Chapter Quiz</i> 494 <i>Study Guide and Review</i> 519 <i>Practice Test</i> 523</p> <p><b>Teacher Edition:</b> 475b A 480; AE 476-477; DI 477; FMC 476; SQ 475</p>

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<p>8.2.1.3 Understand that a function is linear if it can be expressed in the form <math>f(x)=mx+b</math> or if its graph is a straight line.</p> <p><i>For example:</i> The function <math>f(x)=x^2</math> is not a linear function because its graph contains the points (1,1), (-1,1) and (0,0), which are not on a straight line.</p>	<p><b>Student Edition:</b> 495-499, 507 #29-#32 <i>Graphing Calculator Lab</i> 500-501 <i>Study Guide and Review</i> 521 <i>Practice Test</i> 523</p> <p><b>Teacher Edition:</b> 495b A 499; AE 496; FMC 496; SQ 495; TNT 497</p>
<p>8.2.1.4 Understand that an arithmetic sequence is a linear function that can be expressed in the form <math>f(x)=mx+b</math>, where <math>x = 0, 1, 2, 3, \dots</math></p> <p><i>For example:</i> The arithmetic sequence 3, 7, 11, 15, ..., can be expressed as <math>f(x) = 4x + 3</math>.</p>	<p><b>Student Edition:</b> 464-468, 469-473 <i>Algebra Lab</i> 474 <i>Mid-Chapter Quiz</i> 494 <i>Study Guide and Review</i> 519 <i>Practice Test</i> 523</p> <p><b>Teacher Edition:</b> A 468; AE 465-466, 470; FMC 465; PAA 466, 470; SQ 464</p>
<p>8.1.2.5 Understand that a geometric sequence is a non-linear function that can be expressed in the form <math>f(x)=ab^x</math>, where <math>x = 0, 1, 2, 3, \dots</math></p> <p><i>For example:</i> The geometric sequence 6, 12, 24, 48, ..., can be expressed in the form <math>f(x) = 6(2^x)</math>.</p>	<p><b>Student Edition:</b> 528-533, 537 #36-#39 <i>Graphing Calculator Lab</i> 544</p> <p><b>Teacher Edition:</b> AE 529-530; FMC 528; SQ 528</p>
<p>Recognize linear functions in real-world and mathematical situations; represent linear functions and other functions with tables, verbal descriptions, symbols and graphs; solve problems involving these functions and explain results in the original context.</p>	
<p>8.2.2.1 Represent linear functions with tables, verbal descriptions, symbols, equations and graphs; translate from one representation to another.</p>	<p><b>Student Edition:</b> 475-480, 486 #38-#41, 492 #32, 499 #51 <i>Study Tip</i> 476 <i>Mid-Chapter Quiz</i> 494 <i>Study Guide and Review</i> 519 <i>Practice Test</i> 523</p> <p><b>Teacher Edition:</b> 475b A 480; AE 476-477; DI 477; FMC 476; SQ 475</p>

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<p>8.2.2.2</p> <p>Identify graphical properties of linear functions including slopes and intercepts. Know that the slope equals the rate of change, and that the <math>y</math>-intercept is zero when the function represents a proportional relationship.</p>	<p><b>Student Edition:</b> 481-486, 487-492, 495-499 <i>Geometry Lab</i> 493 <i>Mid-Chapter Quiz</i> 494 <i>Graphing Calculator Lab</i> 500-501</p> <p><b>Teacher Edition:</b> 481b, 487b, 495b A 486, 492, 499, 501; AE 482-483, 488-489, 496; FMC 482, 488, 496; PAA 483, 489; SQ 481, 487, 495; TNT 483, 497</p>
<p>8.2.2.3</p> <p>Identify how coefficient changes in the equation <math>f(x) = mx + b</math> affect the graphs of linear functions. Know how to use graphing technology to examine these effects.</p>	<p><b>Student Edition:</b> 487-492, 495-499 <i>Mid-Chapter Quiz</i> 494 <i>Graphing Calculator Lab</i> 500-501</p> <p><b>Teacher Edition:</b> A 492; FMC 488; PAA 489; SQ 487</p>
<p>8.2.2.4</p> <p>Represent arithmetic sequences using equations, tables, graphs and verbal descriptions, and use them to solve problems.</p> <p><i>For example:</i> If a girl starts with \$100 in savings and adds \$10 at the end of each month, she will have <math>100 + 10x</math> dollars after <math>x</math> months.</p>	<p><b>Student Edition:</b> 464-468, 469-473 <i>Algebra Lab</i> 474 <i>Mid-Chapter Quiz</i> 494 <i>Study Guide and Review</i> 519 <i>Practice Test</i> 523</p> <p><b>Teacher Edition:</b> A 468; AE 465-466, 470; FMC 465; PAA 466, 470; SQ 464</p>
<p>8.2.2.5</p> <p>Represent geometric sequences using equations, tables, graphs and verbal descriptions, and use them to solve problems.</p> <p><i>For example:</i> If a girl invests \$100 at 10% annual interest, she will have <math>100(1.1^x)</math> dollars after <math>x</math> years.</p>	<p><b>Student Edition:</b> 290-293 <i>Spreadsheet Lab</i> 294</p>

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<p>Generate equivalent numerical and algebraic expressions and use algebraic properties to evaluate expressions.</p>	
<p>8.2.3.1 Evaluate algebraic expressions, including expressions containing radicals and absolute values, at specified values of their variables.</p> <p><i>For example:</i> Evaluate <math>\pi r^2 h</math> when <math>r = 3</math> and <math>h = 0.5</math>, and then use an approximation of <math>\pi</math>, to obtain an approximate answer.</p>	<p><b>Student Edition:</b> 29-34, 35-39, 555-558 <i>Mid-Chapter Quiz</i> 60 <i>Study Guide and Review</i> 75 <i>Practice Test</i> 79</p> <p><b>Teacher Edition:</b> AE 30-31, 36-37, 555-556; FMC 30; PAA 32, 558; SQ 29, 555, 35; TNT 37</p>
<p>8.2.3.2 Justify steps in generating equivalent expressions by identifying the properties used, including the properties of algebra. Properties include the associative, commutative and distributive laws, and the order of operations, including grouping symbols.</p>	<p><b>Student Edition:</b> 29-34, 39 #51-#53, 45 #50, 47 EX #5-#6, 53 EX #7, 55 #41-#44, 555-558 <i>Mid-Chapter Quiz</i> 60 <i>Study Guide and Review</i> 75, 566 <i>Practice Test</i> 79, 567 <i>Study Tip</i> 556</p> <p><b>Teacher Edition:</b> A 34, 558; AE 31, 555-558; FMC 556; SQ 555</p>
<p>Represent real-world and mathematical situations using equations and inequalities involving linear expressions. Solve equations and inequalities symbolically and graphically. Interpret solutions in the original context.</p>	
<p>8.2.4.1 Use linear equations to represent situations involving a constant rate of change, including proportional and non-proportional relationships.</p> <p><i>For example:</i> For a cylinder with fixed radius of length 5, the surface area <math>A = 2\pi(5)h + 2\pi(5)^2 = 10\pi h + 50\pi</math>, is a linear function of the height <math>h</math>, but it is not proportional to the height.</p>	<p><b>Student Edition:</b> 194-197, 198-203, 204-209 <i>Mid-Chapter Quiz</i> 215 <i>Study Guide and Review</i> 243-244 <i>Practice Test</i> 247</p> <p><b>Teacher Edition:</b> A 203; AE 195, 199-200, 205-206; FMC 199, 205; SQ 194, 198, 204</p>

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<p>8.2.4.2</p> <p>Solve multi-step equations in one variable. Solve for one variable in a multi-variable equation in terms of the other variables. Justify the steps by identifying the properties of equalities used.</p> <p><i>For example:</i> The equation <math>10x + 17 = 3x</math> can be changed to <math>7x + 17 = 0</math>, and then to <math>7x = -17</math> by adding/subtracting the same quantities to both sides. These changes do not change the solution of the equation.</p> <p><i>Another example:</i> Express the radius of a circle in terms of its circumference.</p>	<p><b>Student Edition:</b>  422-426, 427-431, 434-437  <i>Algebra Lab</i> 432-433  <i>Mid-Chapter Quiz</i> 440  <i>Study Guide and Review</i> 455-456  <i>Practice Test</i> 459</p> <p><b>Teacher Edition:</b>  A 437; AE 423-424, 428, 435; FMC 423, 435;  PAA 428, 435; SQ 422, 427, 434; TNT 423</p>
<p>8.2.4.3</p> <p>Express linear equations in slope-intercept, point-slope and standard forms, and convert between these forms. Given sufficient information, find an equation of a line.</p> <p><i>For example:</i> Determine an equation of the line through the points <math>(-1,6)</math> and <math>(2/3, -3/4)</math>.</p>	<p><b>Student Edition:</b>  481-486, 487-492, 495-499  <i>Geometry Lab</i> 493  <i>Mid-Chapter Quiz</i> 494  <i>Graphing Calculator Lab</i> 500-501</p> <p><b>Teacher Edition:</b>  481b, 487b, 495b  A 486, 492, 499, 501; AE 482-483, 488-489, 496;  FMC 482, 488, 496; PAA 483, 489; SQ 481, 487, 495; TNT 483, 497</p>
<p>8.2.4.4</p> <p>Use linear inequalities to represent relationships in various contexts.</p> <p><i>For example:</i> A gas station charges \$0.10 less per gallon of gasoline if a customer also gets a car wash. Without the car wash, gas costs \$2.79 per gallon. The car wash is \$8.95. What are the possible amounts (in gallons) of gasoline that you can buy if you also get a car wash and can spend at most \$35?</p>	<p><b>Student Edition:</b>  441-444, 445-448, 449-453  <i>Study Guide and Review</i> 457-458  <i>Practice Test</i> 459</p> <p><b>Teacher Edition:</b>  A 444, 448, 453; AE 442-443, 446, 450-451;  DI 446, 450; FMC 442, 446, 451; PAA 448, 453;  SQ 441, 445, 449; TNT 450</p>
<p>8.2.4.5</p> <p>Solve linear inequalities using properties of inequalities. Graph the solutions on a number line.</p> <p><i>For example:</i> The inequality <math>-3x &lt; 6</math> is equivalent to <math>x &gt; -2</math>, which can be represented on the number line by shading in the interval to the right of -2.</p>	<p><b>Student Edition:</b>  441-444, 445-448, 449-453  <i>Study Guide and Review</i> 457-458  <i>Practice Test</i> 459</p> <p><b>Teacher Edition:</b>  A 444, 448, 453; AE 442-443, 446, 450-451;  DI 446, 450; FMC 442, 446, 451; PAA 448, 453;  SQ 441, 445, 449; TNT 450</p>

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<p>8.2.4.6 Represent relationships in various contexts with equations and inequalities involving the absolute value of a linear expression. Solve such equations and inequalities and graph the solutions on a number line.</p> <p><i>For example:</i> A cylindrical machine part is manufactured with a radius of 2.1 cm, with a tolerance of 1/100 cm. The radius <math>r</math> satisfies the inequality <math> r - 2.1  \leq .01</math>.</p>	<p><b>Student Edition:</b> 475-480 <i>Mid-Chapter Quiz</i> 494 <i>Study Guide and Review</i> 519 <i>Practice Test</i> 523</p> <p><b>Teacher Edition:</b> AE 476-477; DI 477; FMC 476</p>
<p>8.2.4.7 Represent relationships in various contexts using systems of linear equations. Solve systems of linear equations in two variables symbolically, graphically and numerically.</p> <p><i>For example:</i> Marty's cell phone company charges \$15 per month plus \$0.04 per minute for each call. Jeannine's company charges \$0.25 per minute. Use a system of equations to determine the advantages of each plan based on the number of minutes used.</p>	<p><b>Student Edition:</b> 502-507 <i>Graphing Calculator Lab</i> 500-501 <i>Study Guide and Review</i> 521 <i>Practice Test</i> 523</p> <p><b>Teacher Edition:</b> A 507; AE 503-504; PAA 505; SQ 502</p>
<p>8.2.4.8 Understand that a system of linear equations may have no solution, one solution, or an infinite number of solutions. Relate the number of solutions to pairs of lines that are intersecting, parallel or identical. Check whether a pair of numbers satisfies a system of two linear equations in two unknowns by substituting the numbers into both equations.</p>	<p><b>Student Edition:</b> 502-507 <i>Graphing Calculator Lab</i> 500-501 <i>Study Guide and Review</i> 521 <i>Practice Test</i> 523</p> <p><b>Teacher Edition:</b> A 507; AE 503-504; PAA 505; SQ 502</p>
<p>8.2.4.9 Use the relationship between square roots and squares of a number to solve problems.</p> <p><i>For example:</i> If <math>\pi x^2 = 5</math>, then <math> x  = \sqrt{\frac{5}{\pi}}</math>, or equivalently, <math>x = \sqrt{\frac{5}{\pi}}</math> or <math>x = -\sqrt{\frac{5}{\pi}}</math>. If <math>x</math> is understood as the radius of a circle in this example, then the negative solution should be discarded and <math>x = \sqrt{\frac{5}{\pi}}</math>.</p>	<p><b>Student Edition:</b> 144-147, 354-357, 559-562 <i>Get Ready</i> 143, 351 <i>Mid-Chapter Quiz</i> 160 <i>Study Guide and Review</i> 180, 566 <i>Practice Test</i> 183, 567</p> <p><b>Teacher Edition:</b> A 147; AE 145, 354, 560; FMC 145, 560; PAA 561; SQ 144, 559; TNT 147</p>

STANDARDS	PAGE REFERENCES
<b>Geometry &amp; Measurement</b>	
Solve problems involving right triangles using the Pythagorean Theorem and its converse.	
<p>8.3.1.1 Use the Pythagorean Theorem to solve problems involving right triangles.</p> <p><i>For example:</i> Determine the perimeter of a right triangle, given the lengths of two of its sides.</p> <p><i>Another example:</i> Show that a triangle with side lengths 4, 5 and 6 is not a right triangle.</p>	<p><b>Student Edition:</b> 162-166, 167-171, 173-178 <i>Geometry Lab</i> 161 <i>Study Guide and Review</i> 181-182 <i>Practice Test</i> 183</p> <p><b>Teacher Edition:</b> 162b A 166; AE 163-164, 168; DI 164; FMC 163, 168; PAA 163, 168; SQ 162, 167; TNT 164, 169</p>
<p>8.3.1.2 Determine the distance between two points on a horizontal or vertical line in a coordinate system. Use the Pythagorean Theorem to find the distance between any two points in a coordinate system.</p>	<p><b>Student Edition:</b> 173-178 <i>Study Guide and Review</i> 182 <i>Practice Test</i> 183</p> <p><b>Teacher Edition:</b> A 178; AE 174-175; FMC 175; PAA 175; SQ 173</p>
<p>8.3.1.3 Informally justify the Pythagorean Theorem by using measurements, diagrams and computer software.</p>	<p><b>Student Edition:</b> 162-166, 167-171, 173-178 <i>Geometry Lab</i> 161 <i>Study Guide and Review</i> 181-182 <i>Practice Test</i> 183</p> <p><b>Teacher Edition:</b> 162b A 166; AE 163-164, 168; DI 164; FMC 163, 168; PAA 163, 168; SQ 162, 167; TNT 164, 169</p>
Solve problems involving parallel and perpendicular lines on a coordinate system.	
<p>8.3.2.1 Understand and apply the relationships between the slopes of parallel lines and between the slopes of perpendicular lines. Dynamic graphing software may be used to examine the relationships between lines and their equations.</p>	<p><b>Student Edition:</b> 502-507 <i>Study Tip</i> 504</p> <p><b>Teacher Edition:</b> A 507; PAA 505</p>
<p>8.3.2.2 Analyze polygons on a coordinate system by determining the slopes of their sides.</p> <p><i>For example:</i> Given the coordinates of four points, determine whether the corresponding quadrilateral is a parallelogram.</p>	<p><b>Student Edition:</b> <i>Geometry Lab</i> 493</p>

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<p>8.3.2.3 Given a line on a coordinate system and the coordinates of a point not on the line, find lines through that point that are parallel and perpendicular to the given line, symbolically and graphically.</p>	<p><b>Student Edition:</b> 502-507 (concept can be introduced)</p>
<p><b>Data Analysis &amp; Probability</b></p>	
<p>Interpret data using scatterplots and approximate lines of best fit. Use lines of best fit to draw conclusions about data.</p>	
<p>8.4.1.1 Collect, display and interpret data using scatterplots. Use the shape of the scatterplot to informally estimate a line of best fit and determine an equation for the line. Use appropriate titles, labels and units. Know how to use graphing technology to display scatterplots and corresponding lines of best fit.</p>	<p><b>Student Edition:</b> 510-515 <i>Problem-Solving Investigation</i> 508-509 <i>Graphing Calculator Lab</i> 516-517 <i>Study Guide and Review</i> 522 <i>Practice Test</i> 523 <i>Test Practice</i> 525 #7, #9 <b>Teacher Edition:</b> 510b A 515; AE 511-512; DI 511; FMC 511; SQ 510</p>
<p>8.4.1.2 Use a line of best fit to make statements about approximate rate of change and to make predictions about values not in the original data set.  <i>For example:</i> Given a scatterplot relating student heights to shoe sizes, predict the shoe size of a 5'4" student, even if the data does not contain information for a student of that height.</p>	<p><b>Student Edition:</b> 510-515 <i>Graphing Calculator Lab</i> 516-517 <i>Problem-Solving Investigation</i> 508-509 <i>Study Guide and Review</i> 522 <i>Practice Test</i> 523 <i>Test Practice</i> 525 #7, #9 <b>Teacher Edition:</b> 510b A 515; AE 511-512; DI 511; FMC 511; SQ 510</p>
<p>8.4.1.3 Assess the reasonableness of predictions using scatterplots by interpreting them in the original context.  <i>For example:</i> A set of data may show that the number of women in the U.S. Senate is growing at a certain rate each election cycle. Is it reasonable to use this trend to predict the year in which the Senate will eventually include 1000 female Senators?</p>	<p><b>Student Edition:</b> 510-515 <i>Problem-Solving Investigation</i> 508-509 <i>Graphing Calculator Lab</i> 516-517 <i>Study Guide and Review</i> 522 <i>Practice Test</i> 523 <i>Test Practice</i> 525 #7 <b>Teacher Edition:</b> 510b A 515; AE 511-512; DI 511; FMC 511; SQ 510</p>

### Codes Used for Teacher Edition pages

A	Assess
AE	Additional Examples
DI	Differentiated Instruction
FMC	Focus on Mathematical Content
PAA	Pre-Ap Activity
SQ	Scaffolding Questions
TNT	Tips for New Teachers