

Map: **Math Grade 8** Grade Level: **8**District: **Island Trees**Created: **11/09/2007** Last Updated: **11/09/2007**

	Essential Questions	Content	Skills	Standards/PIs
Unit 1	<p>What is the difference between an equation and an expression? What makes a mathematical sentence algebraic versus numeric? How can writing expressions and equations help us to solve problems?</p> <p>Where and when do we use or see integers in real life integers?</p>	Algebra: Variables / Expressions (the basics)	<p>translates numerical & algebraic expressions into verbal phrases</p> <p>translates verbal phrases into numerical & algebraic expressions</p> <p>evaluates expressions following the order of operations (with integral exponents)</p> <p>writes and evaluates numerical & algebraic expressions to solve word problems</p> <p>uses substitution to evaluate algebraic expressions</p> <p>simplifies basic algebraic expressions (combining constant terms)</p> <p>translates verbal sentences into numerical & algebraic equations</p> <p>translates numerical & algebraic equations into verbal sentences</p> <p>reviews real number system</p> <p>defines and determines the absolute value of rational numbers</p> <p>reviews integer rules</p>	<p>MST3-8.A.2</p> <p>MST3-8.N.2</p>

Unit 2	How can we simplify and solve algebraic expressions and equations? How can I use this as a tool to solve real-life problems?	<p>Algebra: Simplifying Expressions / Solving Equations</p> <p>Factors & Monomials</p>	<p>identifies and applies the distributive property in numerical & algebraic expressions, as well as word problems</p> <p>simplifies algebraic expressions by combining like terms</p> <p>reviews solving one-step equations using inverse operations</p> <p>writes and solves two-step equations</p> <p>solves two-step equations (w/ combining like terms & negative coefficients)</p> <p>reviews factors & divisibility rules</p> <p>identifies and describes a monomial</p> <p>develop the laws of exponents for multiplication and division</p>		MST3-7.A.4
Unit 3		Exponents / Factoring / Monomials	<p>reviews prime factorization</p> <p>factors monomials & algebraic expressions using the GCF</p> <p>simplifies algebraic fractions (intro. to dividing monomials)</p>		<p>MST3-8.A.5</p> <p>MST3-8.A.6</p> <p>MST3-8.A.7</p> <p>MST3-8.A.10</p> <p>MST3-8.N.1</p> <p>MST3-8.N.2</p> <p>MST3-7.A.2</p> <p>MST3-7.A.3</p>

		Polynomials	<p>develops the laws of exponents for multiplication and division</p> <p>multiplies and divides monomials (integer coefficients)</p> <p>evaluates expressions containing negative exponents</p> <p>identifies & classifies polynomials (binomial, trinomial)</p> <p>uses physical models to perform operations with polynomials</p> <p>adds and subtracts polynomials (integer coefficients)</p>			
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	Essential Questions	Content	Skills	Assessments	Standards/PIs
Unit 4		<p>Polynomials</p> <p>Graphing</p>	<p>divides a polynomial by a monomial (integr coefficients) note: the degree of the denominator is less than or equal to the degree of the numerator for all variables</p> <p>multiplies polynomials by monomials</p> <p>multiplies binomials by binomials (integer coefficients)</p> <p>factors a trinomial in the form $ax^2 + bx + c$; $a=1$ and c having no more than 3 sets of factors</p> <p>reviews the coordinate system (graphing ordered pairs)</p> <p>creates a graph given a description or an expression for a situation involving a linear or non linear relationship</p> <p>creates a table of value to graph an algebraic relationship</p> <p>writes an equation to represent a function from a table of values</p>		<p>MST3-8.A.8</p> <p>MST3-8.A.9</p> <p>MST3-8.A.11</p> <p>MST3-7.A.7</p> <p>MST3-7.A.8</p> <p>MST3-7.A.10</p> <p>MST3-8.A.4</p> <p>MST3-8.A.15</p> <p>MST3-8.A.16</p> <p>MST3-8.A.17</p> <p>MST3-8.A.18</p> <p>MST3-8.G.15</p>

Unit 5	What are the relationships among various angles? How can these relationships help me to determine missing angle measures?	<p>Geometry: Geometric Relationships (angles, pythagorean theorem)</p> <p>Geometry: Transformations</p>	<p>identify pairs of supplementary and complementary angles</p> <p>calculate the missing angle in a supplementary or complementary pair</p> <p>determine angle pair relationship when given two parallel lines cut by a transversal</p> <p>apply algebra to determine the measure of angles formed by or contained in parallel lines cut by a transversal and by intersecting lines</p> <p>calculate the missing angle measurements when given two parallel lines cut by a transversal</p> <p>identify paris of vertical angles as congruent</p> <p>uses the Pythagorean Theorem to determine the unknown length of a side of a right triangle</p> <p>calculate the missing angle measurements when given two intersecting lines and an angle</p> <p>builds a pattern to develop a rule for determining the sum of the interior angles of polygons</p> <p>describes and identifies transformations using proper function notation (rotations, reflections, translations, and dialtions)</p>		<p>MST3-8.G.1</p> <p>MST3-8.G.2</p> <p>MST3-8.G.3</p> <p>MST3-8.G.4</p> <p>MST3-8.G.5</p> <p>MST3-8.G.6</p> <p>MST3-8.G.7</p> <p>MST3-8.G.8</p> <p>MST3-8.G.9</p> <p>MST3-8.G.10</p> <p>MST3-8.G.11</p> <p>MST3-8.G.12</p> <p>MST3-7.G.5</p> <p>MST3-7.G.6</p> <p>MST3-7.G.8</p> <p>MST3-7.G.9</p> <p>MST3-7.A.9</p>	
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			<p>draws the image of a figure under rotations of 90 and 180 degrees</p> <p>draws the image of a figure under a reflection over a given line</p> <p>draws the image of a figure under a translation</p> <p>draws the image of a figure under a dilation</p>		
Unit B	How can I easily convert between different units of measure?	<p>Measurement</p> <p>Percents</p>	<p>solve equations/proportions to convert equivalent measurements within metric and customary measurement systems (include Fahrenheit to Celsius and vice versa)</p> <p>calculates distance using map scale, calculates unit price using proportions, compares unit prices, convert money between different currencies with use of an exchange rate table and calculator</p> <p>reads, writes, and identifies percents less than 1% and greater than 100%</p> <p>applies percents to: tax, increase/decrease, simple interest, sale price, commission, interest rates,</p>	<p>MST3-8.M.1</p> <p>MST3-7.M.1</p> <p>MST3-7.M.5</p> <p>MST3-7.M.6</p> <p>MST3-7.M.7</p> <p>MST3-8.N.3</p> <p>MST3-8.N.4</p> <p>MST3-8.N.5</p> <p>MST3-8.N.6</p>	

			and gratuities			
			estimates a percent of quantity, given an application			
			justifies the reasonableness of answers using estimation			

	Essential Questions	Content	Skills	Standards/PIs
Unit 7	What are the steps I should take to solve multi-step inequalities / equations?	Algebra/Equations & Inequalities	<p>solve multi-step inequalities and graph the solution set on a number line</p> <p>solve linear inequalities by combining like terms, using the distributive property, moving variables to one side to the inequality (include multiplication or division by a negative number)</p> <p>solve multi-step equations</p>	<p>MST3-8.A.13</p> <p>MST3-8.A.14</p>
Unit 8	<p>What is a function?</p> <p>How do we define range and domain?</p> <p>What are geometric constructions? Where will I use these in real life?</p>	<p>Algebra/Patterns, Relations and Functions</p> <p>Geometry/Constructions</p>	<p>define and use correct terminology when referring to a function (domain and range)</p> <p>determine if a relation is a function</p> <p>interpret multiple representations using equation, table of values and graph</p> <p>construct using straight edge and compass: segment congruent to a segment, angle congruent to an angle; perpendicular bisector; and angle bisector</p>	<p>MST3-8.A.17</p> <p>MST3-8.A.18</p> <p>MST3-8.A.19</p> <p>MST3-8.G.0</p>
Unit 9	<p>What is slope? What is the significance of the y-intercept?</p> <p>What are a linear / nonlinear equations? Quadratic equations?</p> <p>What are the various ways I can graph a line?</p>	Geometry/Coordinate Geometry	<p>determine the slope of a line from a graph and explain the meaning of slope as a constant rate of change</p> <p>determine the y-intercept of a line from a graph and be able to explain the y-intercept</p> <p>graph a line using a table of values</p>	<p>MST3-8.G.13</p> <p>MST3-8.G.14</p> <p>MST3-8.G.15</p> <p>MST3-8.G.16</p> <p>MST3-8.G.17</p> <p>MST3-8.G.18</p> <p>MST3-8.G.19</p>

			<p>determine the equation of a line given the slope and the y-intercept</p> <p>graph a line from an equation in the slope-intercept form ($y = mx + b$)</p> <p>solve systems of equations graphically (only linear, integral solutions, $y = mx + b$ format, no vertical/horizontal lines)</p> <p>distinguish between linear and nonlinear equations $ax^2 + bx + c$; $a=1$ (only graphically)</p> <p>recognize the characteristics of quadratics in tables, graphs, equations and situations</p>	<p>MST3-8.G.20</p> <p>MST3-8.G.21</p>	
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	Essential Questions	Content	Skills	Assessments	Standards/Pis	Resources/Notes
Unit 10		Review for final exam				

Key to Standards used in this Map

MST3-8.N.1 [1 occurrence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand meanings of operations and procedures, and how they relate to one another. [Operations] - Performance Indicator 8.N.1 - develop and apply the laws of exponents for multiplication and division [Grade 8]

MST3-8.N.2 [2 occurrences] - MST Standard 3 - Number Sense and Operations Strand - Students will understand meanings of operations and procedures, and how they relate to one another. [Operations] - Performance Indicator 8.N.2 - evaluate expressions with integral exponents [Grade 8]

MST3-8.N.3 [1 occurrence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand meanings of operations and procedures, and how they relate to one another. [Operations] - Performance Indicator 8.N.3 - read, write, and identify percents less than 1% and greater than 100% [Grade 8]

MST3-8.N.4 [1 occurrence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand meanings of operations and procedures, and how they relate to one another. [Operations] - Performance Indicator 8.N.4 - apply percents to: tax - percent increase/decrease - simple interest - sale price - commission - interest rates - gratuities [Grade 8]

MST3-8.N.5 [1 occurrence] - MST Standard 3 - Number Sense and Operations Strand - Students will compute accurately and make reasonable estimates. [Estimation] - Performance Indicator 8.N.5 - estimate a percent of quantity, given an application [Grade 8]

MST3-8.N.6 [1 occurrence] - MST Standard 3 - Number Sense and Operations Strand - Students will compute accurately and make reasonable estimates. [Estimation] - Performance Indicator 8.N.6 - justify the reasonableness of answers using estimation [Grade 8]

MST3-7.A.2 [1 occurrence] - MST Standard 3 - Algebra Strand - Students will perform algebraic procedures accurately. [Variables and Expressions] - Performance Indicator 7.A.2 - add and subtract monomials with exponents of one [Grade 7]

MST3-7.A.3 [1 occurrence] - MST Standard 3 - Algebra Strand - Students will perform algebraic procedures accurately. [Variables and Expressions] - Performance Indicator 7.A.3 - identify a polynomial as an algebraic expression containing one or more terms [Grade 7]

MST3-7.A.4 [1 occurrence] - MST Standard 3 - Algebra Strand - Students will perform algebraic procedures accurately. [Equations and Inequalities] - Performance Indicator 7.A.4 - solve multi-step equations by combining like terms, using the distributive property, or moving variables to one side of the equation [Grade 7]

MST3-7.A.7 [1 occurrence] - MST Standard 3 - Algebra Strand - Students will recognize, use, and represent algebraically patterns, relations, and functions. [Patterns, Relations and Functions] - Performance Indicator 7.A.7 - draw the graphic representation of a pattern from an equation or from a table of data [Grade 7]

MST3-7.A.8 [1 occurrence] - MST Standard 3 - Algebra Strand - Students will recognize, use, and represent algebraically patterns, relations, and functions. [Patterns, Relations and Functions] - Performance Indicator 7.A.8 - create algebraic patterns using charts/tables, graphs, equations, and expressions [Grade 7]

MST3-7.A.9 [1 occurrence] - MST Standard 3 - Algebra Strand - Students will recognize, use, and represent algebraically patterns, relations, and functions. [Patterns, Relations and Functions] - Performance Indicator 7.A.9 - build a pattern to develop a rule for determining the sum of the interior angles of polygons [Grade 7]

MST3-7.A.10 [1 occurrence] - MST Standard 3 - Algebra Strand - Students will recognize, use, and represent algebraically patterns, relations, and functions. [Patterns, Relations and Functions] - Performance Indicator 7.A.10 - write an equation to represent a function from a table of values [Grade 7]

MST3-8.A.2 [1 occurrence] - MST Standard 3 - Algebra Strand - Students will represent and analyze algebraically a wide variety of problem solving situations. [Variables and Expressions] - Performance Indicator 8.A.2 - write verbal expressions that match given mathematical expressions [Grade 8]

MST3-8.A.4 [1 occurrence] - MST Standard 3 - Algebra Strand - Students will represent and analyze algebraically a wide variety of problem solving situations. [Variables and Expressions] - Performance Indicator 8.A.4 - create a graph given a description or an expression for a situation involving a linear or nonlinear relationship [Grade 8]

MST3-8.A.5 [1 occurrence] - MST Standard 3 - Algebra Strand - Students will represent and analyze algebraically a wide variety of problem solving situations. [Variables and Expressions] - Performance Indicator 8.A.5 - use physical models to perform operations with polynomials [Grade 8]

MST3-8.A.6 [1 occurrence] - MST Standard 3 - Algebra Strand - Students will perform algebraic procedures accurately. [Variables and Expressions] - Performance Indicator 8.A.6 - multiply and divide monomials [Grade 8]

- MST3-8.A.7** [1 occurrence] - MST Standard 3 - Algebra Strand - Students will perform algebraic procedures accurately. [Variables and Expressions] - Performance Indicator 8.A.7 - add and subtract polynomials (integer coefficients) [Grade 8]
- MST3-8.A.8** [1 occurrence] - MST Standard 3 - Algebra Strand - Students will perform algebraic procedures accurately. [Variables and Expressions] - Performance Indicator 8.A.8 - multiply a binomial by a monomial or a binomial (integer coefficients) [Grade 8]
- MST3-8.A.9** [1 occurrence] - MST Standard 3 - Algebra Strand - Students will perform algebraic procedures accurately. [Variables and Expressions] - Performance Indicator 8.A.9 - divide a polynomial by a monomial (integer coefficients) [Grade 8]
- MST3-8.A.10** [1 occurrence] - MST Standard 3 - Algebra Strand - Students will perform algebraic procedures accurately. [Variables and Expressions] - Performance Indicator 8.A.10 - factor algebraic expressions using the gcd [Grade 8]
- MST3-8.A.11** [1 occurrence] - MST Standard 3 - Algebra Strand - Students will perform algebraic procedures accurately. [Variables and Expressions] - Performance Indicator 8.A.11 - factor a trinomial in the form $ax^2 + bx + c$; $a=1$ and c having no more than three sets of factors [Grade 8]
- MST3-8.A.13** [1 occurrence] - MST Standard 3 - Algebra Strand - Students will perform algebraic procedures accurately. [Equations and Inequalities] - Performance Indicator 8.A.13 - solve multi-step inequalities and graph the solution set on a number line [Grade 8]
- MST3-8.A.14** [1 occurrence] - MST Standard 3 - Algebra Strand - Students will perform algebraic procedures accurately. [Equations and Inequalities] - Performance Indicator 8.A.14 - solve linear inequalities by combining like terms, using the distributive property, or moving variables to one side of the inequality (include multiplication or division of inequalities by a negative number) [Grade 8]
- MST3-8.A.15** [1 occurrence] - MST Standard 3 - Algebra Strand - Students will recognize, use, and represent algebraically patterns, relations, and functions. [Patterns, Relations and Functions] - Performance Indicator 8.A.15 - understand that numerical information can be represented in multiple ways: arithmetically, algebraically, and graphically [Grade 8]
- MST3-8.A.16** [1 occurrence] - MST Standard 3 - Algebra Strand - Students will recognize, use, and represent algebraically patterns, relations, and functions. [Patterns, Relations and Functions] - Performance Indicator 8.A.16 - find a set of ordered pairs to satisfy a given linear numerical pattern (expressed algebraically); then plot the ordered pairs and draw the line [Grade 8]
- MST3-8.A.17** [2 occurrences] - MST Standard 3 - Algebra Strand - Students will recognize, use, and represent algebraically patterns, relations, and functions. [Patterns, Relations and Functions] - Performance Indicator 8.A.17 - define and use correct terminology when referring to function (domain and range) [Grade 8]
- MST3-8.A.18** [2 occurrences] - MST Standard 3 - Algebra Strand - Students will recognize, use, and represent algebraically patterns, relations, and functions. [Patterns, Relations and Functions] - Performance Indicator 8.A.18 - determine if a relation is a function [Grade 8]
- MST3-8.A.19** [1 occurrence] - MST Standard 3 - Algebra Strand - Students will recognize, use, and represent algebraically patterns, relations, and functions. [Patterns, Relations and Functions] - Performance Indicator 8.A.19 - interpret multiple representations using equation, table of values, and graph [Grade 8]
- MST3-7.G.5** [1 occurrence] - MST Standard 3 - Geometry Strand - Students will identify and justify geometric relationships, formally and informally. [Geometric Relationships] - Performance Indicator 7.G.5 - identify the right angle, hypotenuse, and legs of a right triangle [Grade 7]
- MST3-7.G.6** [1 occurrence] - MST Standard 3 - Geometry Strand - Students will identify and justify geometric relationships, formally and informally. [Geometric Relationships] - Performance Indicator 7.G.6 - explore the relationship between the lengths of the three sides of a right triangle to develop the pythagorean theorem [Grade 7]
- MST3-7.G.8** [1 occurrence] - MST Standard 3 - Geometry Strand - Students will identify and justify geometric relationships, formally and informally. [Geometric Relationships] - Performance Indicator 7.G.8 - use the pythagorean theorem to determine the unknown length of a side of a right triangle [Grade 7]
- MST3-7.G.9** [1 occurrence] - MST Standard 3 - Geometry Strand - Students will identify and justify geometric relationships, formally and informally. [Geometric Relationships] - Performance Indicator 7.G.9 - determine whether a given triangle is a right triangle by applying the pythagorean theorem and using a calculator [Grade 7]
- MST3-8.G.0** [1 occurrence] - MST Standard 3 - Geometry Strand - Students will use visualization and spatial reasoning to analyze characteristics and properties of geometric shapes. [Constructions] - Performance Indicator 8.G.0 - construct the following using a straight edge and compass: segment congruent to a segment - angle congruent to an angle perpendicular bisector - angle bisector [Grade 8]
- MST3-8.G.1** [1 occurrence] - MST Standard 3 - Geometry Strand - Students will identify and justify geometric relationships, formally and informally. [Geometric Relationships] - Performance Indicator 8.G.1 - identify pairs of vertical angles as congruent [Grade 8]
- MST3-8.G.2** [1 occurrence] - MST Standard 3 - Geometry Strand - Students will identify and justify geometric relationships, formally and informally. [Geometric Relationships] - Performance Indicator 8.G.2 - identify pairs of supplementary and complementary angles [Grade 8]
- MST3-8.G.3** [1 occurrence] - MST Standard 3 - Geometry Strand - Students will identify and justify geometric relationships, formally and informally. [Geometric Relationships] - Performance Indicator 8.G.3 - calculate the missing angle in a supplementary or complementary pair [Grade 8]
- MST3-8.G.4** [1 occurrence] - MST Standard 3 - Geometry Strand - Students will identify and justify geometric relationships, formally and informally. [Geometric Relationships] - Performance Indicator 8.G.4 - determine angle pair relationships when given two parallel lines cut by a transversal [Grade 8]
- MST3-8.G.5** [1 occurrence] - MST Standard 3 - Geometry Strand - Students will identify and justify geometric relationships, formally and informally. [Geometric Relationships] - Performance Indicator 8.G.5 - calculate the missing angle measurements when given two parallel lines cut by a transversal [Grade 8]

MST3-8.G.6 [1 occurrence] - MST Standard 3 - Geometry Strand - Students will identify and justify geometric relationships, formally and informally. [Geometric Relationships] - Performance Indicator 8.G.6 - calculate the missing angle measurements when given two intersecting lines and an angle [Grade 8]

MST3-8.G.7 [1 occurrence] - MST Standard 3 - Geometry Strand - Students will apply transformations and symmetry to analyze problem solving situations. [Transformational Geometry] - Performance Indicator 8.G.7 - describe and identify transformations in the plane, using proper function notation (rotations, reflections, translations, and dilations) [Grade 8]

MST3-8.G.8 [1 occurrence] - MST Standard 3 - Geometry Strand - Students will apply transformations and symmetry to analyze problem solving situations. [Transformational Geometry] - Performance Indicator 8.G.8 - draw the image of a figure under rotations of 90 and 180 degrees [Grade 8]

MST3-8.G.9 [1 occurrence] - MST Standard 3 - Geometry Strand - Students will apply transformations and symmetry to analyze problem solving situations. [Transformational Geometry] - Performance Indicator 8.G.9 - draw the image of a figure under a reflection over a given line [Grade 8]

MST3-8.G.10 [1 occurrence] - MST Standard 3 - Geometry Strand - Students will apply transformations and symmetry to analyze problem solving situations. [Transformational Geometry] - Performance Indicator 8.G.10 - draw the image of a figure under a translation [Grade 8]

MST3-8.G.11 [1 occurrence] - MST Standard 3 - Geometry Strand - Students will apply transformations and symmetry to analyze problem solving situations. [Transformational Geometry] - Performance Indicator 8.G.11 - draw the image of a figure under a dilation [Grade 8]

MST3-8.G.12 [1 occurrence] - MST Standard 3 - Geometry Strand - Students will apply transformations and symmetry to analyze problem solving situations. [Transformational Geometry] - Performance Indicator 8.G.12 - identify the properties preserved and not preserved under a reflection, rotation, translation, and dilation [Grade 8]

MST3-8.G.13 [1 occurrence] - MST Standard 3 - Geometry Strand - Students will apply coordinate geometry to analyze problem solving situations. [Coordinate Geometry] - Performance Indicator 8.G.13 - determine the slope of a line from a graph and explain the meaning of slope as a constant rate of change [Grade 8]

MST3-8.G.14 [1 occurrence] - MST Standard 3 - Geometry Strand - Students will apply coordinate geometry to analyze problem solving situations. [Coordinate Geometry] - Performance Indicator 8.G.14 - determine the y-intercept of a line from a graph and be able to explain the y-intercept [Grade 8]

MST3-8.G.15 [2 occurrences] - MST Standard 3 - Geometry Strand - Students will apply coordinate geometry to analyze problem solving situations. [Coordinate Geometry] - Performance Indicator 8.G.15 - graph a line using a table of values [Grade 8]

MST3-8.G.16 [1 occurrence] - MST Standard 3 - Geometry Strand - Students will apply coordinate geometry to analyze problem solving situations. [Coordinate Geometry] - Performance Indicator 8.G.16 - determine the equation of a line given the slope and the y-intercept [Grade 8]

MST3-8.G.17 [1 occurrence] - MST Standard 3 - Geometry Strand - Students will apply coordinate geometry to analyze problem solving situations. [Coordinate Geometry] - Performance Indicator 8.G.17 - graph a line from an equation in slope-intercept form ($y=mx+b$) [Grade 8]

MST3-8.G.18 [1 occurrence] - MST Standard 3 - Geometry Strand - Students will apply coordinate geometry to analyze problem solving situations. [Coordinate Geometry] - Performance Indicator 8.G.18 - solve systems of equations graphically (only linear, integral solutions, $y=mx+b$ format, no vertical/horizontal lines) [Grade 8]

MST3-8.G.19 [1 occurrence] - MST Standard 3 - Geometry Strand - Students will apply coordinate geometry to analyze problem solving situations. [Coordinate Geometry] - Performance Indicator 8.G.19 - graph the solution set of an inequality on a number line [Grade 8]

MST3-8.G.20 [1 occurrence] - MST Standard 3 - Geometry Strand - Students will apply coordinate geometry to analyze problem solving situations. [Coordinate Geometry] - Performance Indicator 8.G.20 - distinguish between linear and nonlinear equations $ax^2 + bx + c$; $a=1$ (only graphically) [Grade 8]

MST3-8.G.21 [1 occurrence] - MST Standard 3 - Geometry Strand - Students will apply coordinate geometry to analyze problem solving situations. [Coordinate Geometry] - Performance Indicator 8.G.21 - recognize the characteristics of quadratics in tables, graphs, equations, and situations [Grade 8]

MST3-7.M.1 [1 occurrence] - MST Standard 3 - Measurement Strand - Students will determine what can be measured and how, using appropriate methods and formulas. [Units of Measurement] - Performance Indicator 7.M.1 - calculate distance using a map scale [Grade 7]

MST3-7.M.5 [1 occurrence] - MST Standard 3 - Measurement Strand - Students will determine what can be measured and how, using appropriate methods and formulas. [Units of Measurement] - Performance Indicator 7.M.5 - calculate unit price using proportions [Grade 7]

MST3-7.M.6 [1 occurrence] - MST Standard 3 - Measurement Strand - Students will determine what can be measured and how, using appropriate methods and formulas. [Units of Measurement] - Performance Indicator 7.M.6 - compare unit prices [Grade 7]

MST3-7.M.7 [1 occurrence] - MST Standard 3 - Measurement Strand - Students will determine what can be measured and how, using appropriate methods and formulas. [Units of Measurement] - Performance Indicator 7.M.7 - convert money between different currencies with the use of an exchange rate table and a calculator [Grade 7]

MST3-8.M.1 [1 occurrence] - MST Standard 3 - Measurement Strand - Students will determine what can be measured and how, using appropriate methods and formulas. [Units of Measurement] - Performance Indicator 8.M.1 - solve equations/proportions to convert to equivalent measurements within metric and customary measurement systems note: also allow fahrenheit to celsius and vice versa. [Grade 8]