

F.11 - Grade 8 Algebra I

PUBLISHER/PROVIDER MATERIAL INFORMATION (TO BE COMPLETED BY PUBLISHER/PROVIDER)							
Publisher/Provider Name/Imprint:		Grade(s):					
Title of Student Edition:		Student Edition ISBN:					
Title of Teacher Edition:		Teacher Edition ISBN:					
Title of SE Workbook:		SE Workbook ISBN:					

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Section 1: Standards Review -- Math Content Standards PUBLISHER/PROVIDER INSTRUCTIONS:

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• Publisher/Provider citations for this section will refer to the Teacher Edition (teacher-facing core material). The cited Teacher Edition should correspond with the title and ISBN entered on the Form F cover page, whether in print, online, or both. The review set submitted to the summer review institute should also correspond with what is cited on the Form F. If the review set is an online platform only, then that is what should be cited on the Form F and submitted for review by the review teams.

• For this section, the publisher/provider will enter one citation per math content standard in Column D. Each citation should direct the reviewer to a specific location in the materials that best meets the standard. The citations should be concise and should allow the reviewer to easily determine that all components of the standard have been met. Each citation should direct the reviewer to a specific location in the materials that best meets the standard. If necessary, you may enter multiple, targeted citations in order to address standards with multiple components. Use as few citations as needed to meet the full intent of the standard. Your citations should allow the reviewer to easily determine that the full intent and all components of the standard have been met.

• Column E: The material will be scored for alignment with each standard as "Meets expectations", "Partially meets expectations", or "Does not meet expectations" absed on the citation provided.

0 C	olumn E: The r	naterial will be scored for alignment with each standard as "Meets expe	ectations", "Partially meets expect o NOTE: You may not use a						
Criteria	Standard	F.8 Grade 8 Algebra I Standards Review	Publisher/Provider Citation from Teacher Edition	Score	If Scored D: Reviewer's Evidence for Publisher Citation	Reviewer Citation from Student Edition/Workbook	Score	Required: Reviewer's Evidence	Comments, other citations, notes
DOMAIN	8.EE - Express	ons and Equations					•		
		lve linear equations and pairs of simultaneous linear equations.							
1	8.EE.8	Analyze and solve pairs of simultaneous linear equations.							
2	8.EE.8.a	Understand that solutions to a system of two linear equations in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations							
3	8.EE.8.b	simultaneously. Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection. For example, $3x + 2y = 5$ and $3x + 2y = 6$ have no							
		Solution because 3x + 2y cannot simultaneously be 5 and 6. Solve real-world and mathematical problems leading to two linear							
4	8.EE.8.c	equations in two variables. For example, given coordinates for two pairs of points, determine whether the line through the first pair of points intersects the line through the second pair.							
_	8.F - Function								
Cluster:	Define, evalua	te, and compare functions. Understand that a function is a rule that assigns to each input		I		1	Τ		l l
5	8.F.1	exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.							
6	8.F.2	Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions). For example, given a linear function represented by a table of values and a linear function represented by an algebraic							
		expression, determine which function has the greater rate of change. Interpret the equation $y = mx + b$ as defining a linear function,							
7	8.F.3	whose graph is a straight line; give examples of functions that are not linear. For example, the function $A = s^2$ giving the area of a square as a function of its side length is not linear because its graph contains the points $(1,1)$, $(2,4)$ and $(3,9)$, which are not on a straight							
		line.							
Cluster:	Use functions	to model relationships between quantities.							
		Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the							
	0.54	function from a description of a relationship or from two (x, y)							
8	8.F.4	values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in							
		terms of the situation it models, and in terms of its graph or a table							
		of values. Describe qualitatively the functional relationship between two							
9	8.F.5	quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.							
DOMAIN	8.G - Geomet								
Cluster:	Understand a	d apply the Pythagorean Theorem.							
10	8.G.6	Explain a proof of the Pythagorean Theorem and its converse.							
11	8.G.7	Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.							
12	8.G.8	Apply the Pythagorean Theorem to find the distance between two points in a coordinate system.							
DOMAIN	8.SP - Statistic	s and Probability		<u> </u>					
Cluster:	Investigate pa	terns of association in bivariate data.		1	I	1			1
13	8.SP.1	Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association.							
14	8.SP.2	Know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that suggest a linear association, informally fit a straight line, and informally assess							
		the model fit by judging the closeness of the data points to the line. Use the equation of a linear model to solve problems in the context							
		of bivariate measurement data, interpreting the slope and intercept. For example, in a linear model for a biology experiment, interpret a							
15	8.SP.3	slope of 1.5 cm/hr as meaning that an additional hour of sunlight each day is associated with an additional 1.5 cm in mature plant							
		height. Understand that patterns of association can also be seen in bivariate categorical data by displaying frequencies and relative frequencies in							
		a two-way table. Construct and interpret a two-way table							
		summarizing data on two categorical variables collected from the same subjects. Use relative frequencies calculated for rows or							
16	8.SP.4	columns to describe possible association between the two variables.							
		For example, collect data from students in your class on whether or							
		not they have a curfew on school nights and whether or not they have assigned chores at home. Is there evidence that those who have							
D02-1-1	N DN =	a curfew also tend to have chores?							
		al Number System perties of exponents to rational exponents.							
Ciuster:	Exterio trie pri	Explain how the definition of the meaning of rational exponents					I		
4-	NI DAY 4	follows from extending the properties of integer exponents to those values, allowing for a notation for radicals in terms of rational							
17	N.RN.1	exponents. For example, we define $5^1/3$ to be the cube root of 5							
		because we want $(5^{1/3})^3 = 5^{(1/3)3}$ to hold, so $5^{(1/3)3}$ must equal 5.					\perp		
18	N.RN.2	Rewrite expressions involving radicals and rational exponents using							
		the properties of exponents. of rational and irrational numbers.							
c.uster:	Lac propertie	Explain why the sum or product of two rational numbers is rational;					I		
19	N.RN.3	that the sum of a rational number and an irrational number is							
		irrational; and that the product of a nonzero rational number and an irrational number is irrational.							
DOMAIN	HS.N-Q Qua				·	<u> </u>	<u> </u>		

Cluster:	Reason quanti	tatively and use units to solve problems. Use units as a way to understand problems and to guide the solution				
20	N.Q.1	of multi-step problems; choose and interpret units consistently in	1			
20		formulas; choose and interpret the scale and the origin in graphs and data displays.				
21	N.Q.2	Define appropriate quantities for the purpose of descriptive				
		modeling. Choose a level of accuracy appropriate to limitations on				
22	N.Q.3	measurement when reporting quantities.				
		ing Structure in Expressions				
		Interpret expressions that represent a quantity in terms of its				
23	A.SSE.1	context.★				
24	A.SSE.1.a	Interpret parts of an expression, such as terms, factors, and coefficients.				
		Interpret complicated expressions by viewing one or more of their				
25	A.SSE.1.b	parts as a single entity. For example, interpret P(1+r) ⁿ as the product of P and a factor not depending on P.				
		Use the structure of an expression to identify ways to rewrite it. For				
26	A.SSE.2	example, see $x^4 - y^4$ as $(x^2)^2 - (y^2)^2$, thus recognizing it as a difference of squares that can be factored as $(x^2 - y^2)(x^2 + y^2)$.				
Cluster:	Write expressi	ons in equivalent forms to solve problems.				
27	A.SSE.3	Choose and produce an equivalent form of an expression to reveal				
2,	A.33E.3	and explain properties of the quantity represented by the expression. ★				
28	A.SSE.3.a	Factor a quadratic expression to reveal the zeros of the function it defines.				
29	A.SSE.3.b	Complete the square in a quadratic expression to reveal the				
	7552.5.0	maximum or minimum value of the function it defines. Use the properties of exponents to transform expressions for				
30	A.SSE.3.c	exponential functions. For example the expression 1.15t can be				
30	M.33E.3.C	rewritten as (1.15½)12½12 1.012½1 to reveal the approximate	- 1			
DOMAIN	: HS.A-APR Ari	equivalent monthly interest rate if the annual rate is 15%. thmetic with Polynomials and Rational Expressions	1			
		netic operations on polynomials.				
		Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition,				
31	A.APR.1	subtraction, and multiplication; add, subtract, and multiply				
DOMAIN		polynomials. ating Equations ★				
		ns that describe numbers or relationships.				
32	A.CED.1	Create equations and inequalities in one variable and use them to solve problems. Include equations arising from linear and quadratic				
	7.102.512	functions, and simple rational and exponential functions.				
33	A.CED.2	Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels				
		and scales.				
		Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or				
34	A.CED.3	non- viable options in a modeling context. For example, represent				
		inequalities describing nutritional and cost constraints on combinations of different foods.				
35	A.CED.4	Rearrange formulas to highlight a quantity of interest, using the				
		same reasoning as in solving equations. For example, rearrange Ohm's law V = IR to highlight resistance R.				
		soning with equations and inequalities				
Cluster:	Understand so	Iving equations as a process of reasoning and explain the reasoning. Explain each step in solving a simple equation as following from the				
36	A.REI.1	equality of numbers asserted at the previous step, starting from the				
		assumption that the original equation has a solution. Construct a viable argument to justify a solution method.				
Cluster:	Solve equation	ns and inequalities in one variable.				
37	A.REI.3	Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.				
38	A.REI.4	Solve quadratic equations in one variable.				
39	A.REI.4.a	Use the method of completing the square to transform any quadratic equation in x into an equation of the form $(x - p)^2 = q$ that	- 1			
		has the same solutions. Derive the quadratic formula from this form. Solve quadratic equations by inspection (e.g., for $x^2 = 49$), taking				
		square roots, completing the square, the quadratic formula and				
40	A.REI.4.b	factoring, as appropriate to the initial form of the equation. Recognize when the quadratic formula gives complex solutions and	- 1			
		write them as $a \pm bi$ for real numbers a and b .				
Cluster:	Solve systems	of equations. Prove that, given a system of two equations in two variables,	-			
41	A.REI.5	replacing one equation by the sum of that equation and a multiple				
		of the other produces a system with the same solutions. Solve systems of linear equations exactly and approximately (e.g.,	\rightarrow			
42	A.REI.6	with graphs), focusing on pairs of linear equations in two variables.				
		Solve a simple system consisting of a linear equation and a quadratic equation in two variables algebraically and graphically. For example,				
43	A.REI.7	find the points of intersection between the line y = -3x and the circle				
Cluster:	Represent and	$x^2 + y^2 = 3$. solve equations and inequalities graphically.				
		Understand that the graph of an equation in two variables is the set				
44	A.REI.10	of all its solutions plotted in the coordinate plane, often forming a curve (which could be a line).				
		Explain why the x-coordinates of the points where the graphs of the				
		equations $y = f(x)$ and $y = g(x)$ intersect are the solutions of the equation $f(x) = g(x)$; find the solutions approximately, e.g., using	- 1			
45		technology to graph the functions, make tables of values, or find				
		successive approximations. Include cases where f(x) and/or g(x) are linear, polynomial, rational, absolute value, exponential, and				
		logarithmic functions.★				
45	A DE: 43	Graph the solutions to a linear inequality in two variables as a half- plane (excluding the boundary in the case of a strict inequality), and				
46	A.REI.12	graph the solution set to a system of linear inequalities in two	- 1			
DOMAIN		variables as the intersection of the corresponding half-planes. preting Functions	1			
		e concept of a function and use function notation.				

		Understand that a function from one set (called the domain) to			
		another set (called the range) assigns to each element of the domain exactly one element of the range. If <i>f</i> is a function and <i>x</i> is an			
47	F.IF.1	element of its domain, then $f(x)$ denotes the output of f			
		corresponding to the input x. The graph of f is the graph of the			
		equation $y = f(x)$.			
48	F.IF.2	Use function notation, evaluate functions for inputs in their			
46	r.ir.z	domains, and interpret statements that use function notation in terms of a context.			
		Recognize that sequences are functions, sometimes defined			
49	F.IF.3	recursively, whose domain is a subset of the integers. For example,			
43	r.ir.3	the Fibonacci sequence is defined recursively by $f(0) = f(1) = 1$, $f(n+1)$			
Chroton	Internation from	$= f(n) + f(n-1)$ for $n \ge 1$.			
Cluster:	interpret fund	tions that arise in applications in terms of the context. For a function that models a relationship between two quantities,			
		interpret key features of graphs and tables in terms of the			
		quantities, and sketch graphs showing key features given a verbal			
50	F.IF.4	description of the relationship. Key features include: intercepts;			
		intervals where the function is increasing, decreasing, positive, or negative; relative maximums and minimums; symmetries; end			
		behavior; and periodicity. ★			
		Relate the domain of a function to its graph and, where applicable,			
51	F.IF.5	to the quantitative relationship it describes. For example, if the function h(n) gives the number of person-hours it takes to assemble n			
21	r.ir.ɔ	engines in a factory, then the positive integers would be an			
		appropriate domain for the function. ★			
		Calculate and interpret the average rate of change of a function			
52	F.IF.6	(presented symbolically or as a table) over a specified interval. Estimate the rate of change from a graph.★			
Cluster:	Analyze funct	ions using different representations.			
	,	Graph functions expressed symbolically and show key features of			
53	F.IF.7	the graph, by hand in simple cases and using technology for more			
		complicated cases. Graph linear and quadratic functions and show intercepts, maxima,			-
54	F.IF.7.a	and minima.			
55	F.IF.7.b	Graph square root, cube root, and piecewise-defined functions,			
- 33		including step functions and absolute value functions.			
56	F.IF.7.e	Graph exponential and logarithmic functions, showing intercepts and end behavior, and trigonometric functions, showing period,			
L		midline, and amplitude.			
57	F.IF.8	Write a function defined by an expression in different but equivalent			
		forms to reveal and explain different properties of the function. Use the process of factoring and completing the square in a			
58	F.IF.8.a	quadratic function to show zeros, extreme values, and symmetry of			
		the graph, and interpret these in terms of a context.			
		Use the properties of exponents to interpret expressions for			
59	F.IF.8.b	exponential functions. For example, identify percent rate of change in functions such as $y = (1.02)^t$, $y = (0.97)^t$, $y = (1.01)^{12t}$, $y = (1.2)^{t/0}$,			
		and classify them as representing exponential growth or decay.			
		Compare properties of two functions each represented in a different			
60	F.IF.9	way (algebraically, graphically, numerically in tables, or by verbal descriptions). For example, given a graph of one quadratic function			
	5	and an algebraic expression for another, say which has the larger			
		maximum.			
	!!				
	: HS.F-BF Build				
Cluster:	Build a function	on that models a relationship between two quantities.			
		on that models a relationship between two quantities. Write a function that describes a relationship between two quantities.			
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Cluster: 61	Build a function F.BF.1	on that models a relationship between two quantities. Write a function that describes a relationship between two quantities. * Determine an explicit expression, a recursive process, or steps for calculation from a context.			
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Cluster: 61	Build a function F.BF.1	In that models a relationship between two quantities. Write a function that describes a relationship between two quantities. * Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decoying exponential, and			
Cluster: 61 62	F.BF.1.a	on that models a relationship between two quantities. Write a function that describes a relationship between two quantities. Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model.			
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61 62 63	Build a function F.BF.1 F.BF.1.a F.BF.1.b F.BF.2	on that models a relationship between two quantities. Write a function that describes a relationship between two quantities. ★ Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. ★			
61 62 63	Build a function F.BF.1 F.BF.1.a F.BF.1.b F.BF.2	In that models a relationship between two quantities. Write a function that describes a relationship between two quantities. Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms.			
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61 62 63 64 Cluster:	Build a function F.BF.1 F.BF.1.a F.BF.1.b F.BF.2 Build new fun	In that models a relationship between two quantities. Write a function that describes a relationship between two quantities. Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. ** ctions from existing functions. Identify the effect on the graph of replacing f(x) by f(x) + k, k f(x), f(x), and f(x + k) for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and			
61 62 63	Build a function F.BF.1 F.BF.1.a F.BF.1.b F.BF.2	In that models a relationship between two quantities. Write a function that describes a relationship between two quantities. ★ Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constont function to a decaying exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. ★ ctions from existing functions. Identify the effect on the graph of replacing f(x) by f(x) + k, k f(x), f(x), and f(x + k) for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using			
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61 62 63 64 Cluster: 65 66	F.BF.1.a F.BF.1.b F.BF.2 Build new fun F.BF.3 F.BF.4 F.BF.4.a	In that models a relationship between two quantities. Write a function that describes a relationship between two quantities. \star Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. \star clions from existing functions. Identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, $k f(x)$, $f(x)$, and $f(x + k)$ for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Find inverse functions. Solve an equation of the form $f(x) = c$ for a simple function f that has an inverse and write an expression for the inverse. For example, $f(x) = 2 x^2$ or $f(y) = (x+1)/(x-1)$ for $x \ne 1$.			
61 62 63 64 Cluster: 65 66 67	F.BF.1.a F.BF.1.b F.BF.2 Build new fur F.BF.3 F.BF.4 F.BF.4.a F.BF.4.a	On that models a relationship between two quantities. Write a function that describes a relationship between two quantities. \star Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decoping exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. \star ctions from existing functions. Identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, $kf(x)$, $f(kx)$, and $f(x * k)$ for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Find inverse functions. Solve an equation of the form $f(x) = c$ for a simple function f that has an inverse and write an expression for the inverse. For example, $f(x) = 2x^3$ or $f(x) = (x+1)/(x-1)$ for $x \ne 1$.	115.		
61 62 63 64 Cluster: 65 66 67 DOMAIN Cluster:	F.BF.1.a F.BF.1.b F.BF.2 Build new fur F.BF.3 F.BF.4 F.BF.4.a F.BF.4.a F.BF.4.a	In that models a relationship between two quantities. Write a function that describes a relationship between two quantities. \star Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. \star clions from existing functions. Identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, $k f(x)$, $f(x)$, and $f(x + k)$ for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Find inverse functions. Solve an equation of the form $f(x) = c$ for a simple function f that has an inverse and write an expression for the inverse. For example, $f(x) = 2 x^2$ or $f(y) = (x+1)/(x-1)$ for $x \ne 1$.	35.		
61 62 63 64 Cluster: 65 66 67	F.BF.1.a F.BF.1.b F.BF.2 Build new fur F.BF.3 F.BF.4 F.BF.4.a F.BF.4.a	on that models a relationship between two quantities. Write a function that describes a relationship between two quantities. \star Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decoping exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. \star ctions from existing functions. Identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, $kf(x)$, $f(kx)$, and $f(x * k)$ for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Find inverse functions. Solve an equation of the form $f(x) = c$ for a simple function $f(x) = c$ and write an expression for the inverse. For example, $f(x) = 2x^3$ or $f(x) = (x+1)/(x-1)$ for $x \ne 1$. 7. Quadratic, and Exponential Models \bigstar compare linear, quadratic, and exponential models and solve problem Distinguish between situations that can be modeled with linear functions and with exponential functions.	ns.		
61 62 63 64 Cluster: 65 66 67 DOMAIN Cluster: 68	F.BF.1.a F.BF.1.b F.BF.2 Build new fun F.BF.3 F.BF.4 F.BF.4.a F.BF.4.a F.BF.4.a F.BF.4.a	In that models a relationship between two quantities. Write a function that describes a relationship between two quantities. \star Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. \star clions from existing functions. Identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, $k f(x)$, $f(x)$, and $f(x * k)$ for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Find inverse functions. Solve an equation of the form $f(x) = c$ for a simple function $f(x) = c$ an inverse and write an expression for the inverse. For example, $f(x) = c$ an inverse and write an expression for the inverse. For example, $f(x) = c$ an inverse and write an expression for the inverse. For example, $f(x) = c$ and $f(x) = c$ for $f(x) = (x+1)/(x-1)$ for $x \ne 1$. Coundratic, and Exponential Models \bigstar compare linear, quadratic, and exponential models and solve problem Distinguish between situations that can be modeled with linear functions and with exponential functions.	ns.		
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61 62 63 64 Cluster: 65 66 67 DOMAIN Cluster: 68	F.BF.1.a F.BF.1.b F.BF.2 Build new fun F.BF.4 F.BF.4 F.BF.4.a F.BF.4.a F.BF.4.a F.BF.4.a F.BF.4.a F.BF.4.a F.BF.4.a	In that models a relationship between two quantities. Write a function that describes a relationship between two quantities. \bigstar Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decoying exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. \bigstar citons from existing functions. Identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, $kf(x)$, $f(x)$, and $f(x * k)$ for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Find inverse functions. Solve an equation of the form $f(x) = c$ for a simple function $f(x) = c$ $f(x)$	115.		
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61 62 63 64 Cluster: 65 66 67 DOMAIN Cluster: 68 69 70 71 72	Build a function F.BF.1.a F.BF.1.b F.BF.2 Build new function F.BF.3 F.BF.4 F.BF.4.a F.BF.4.a F.BF.4.a F.LE.1.a F.LE.1.a F.LE.1.a F.LE.1.c F.LE.1.c F.LE.2 F.LE.2	what models a relationship between two quantities. Write a function that describes a relationship between two quantities. ★ Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two formus. ★ tions from existing functions. Identify the effect on the graph of replacing f(x) by f(x) + k, k f(x), f(xx), and f(x * k) for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Find inverse functions. Solve an equation of the form f(x) = c for a simple function f that has an inverse and write an expression for the inverse. For example, f(x) = 2 x² or f(x) = (x+1)/(x-1) for x ≠ 1. Toughard it and Exponential Models ★ compare linear, quadratic, and exponential models and solve problen Distinguish between situations that can be modeled with linear functions, and with exponential functions. Prove that linear functions grow by equal differences over equal intervals, and that exponential functions grow by equal factors over equal intervals, and that exponential functions, including arithmetic and geometric sequences, given a graph, a description of a relationship, or two input output pairs (include reading these from a table). Observe using graphs and tables that a quantity increasing linearly, quadraticily, or (more generally) as a polynomial function.	115.		
61 62 63 64 Cluster: 65 66 67 DOMAIN Cluster: 68 69 70 71 72	Build a function F.BF.1.a F.BF.1.b F.BF.2 Build new function F.BF.3 F.BF.4 F.BF.4.a F.BF.4.a F.BF.4.a F.LE.1.a F.LE.1.a F.LE.1.a F.LE.1.c F.LE.1.c F.LE.2 F.LE.2	In that models a relationship between two quantities. Write a function that describes a relationship between two quantities. \star Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decoying exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. \star citons from existing functions. Identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, $k f(x)$, $f(x)$, and $f(x + k)$ for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Find inverse functions. Solve an equation of the form $f(x) = c$ for a simple function $f(x) = c$ and $f(x) = c$ for $f(x) $	ns.		
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Cluster: 61 62 63 64 Cluster: 65 66 67 DOMAIN Cluster: 68 69 70 71 72 73 Cluster: 74	Build a functi F.BF.1.a F.BF.1.b F.BF.2 Build new fun F.BF.3 F.BF.4 F.BF.4.a F.BF.4.a F.BF.4.a F.LE.1.a F.LE.1.c F.LE.1.c F.LE.1.c F.LE.1.c F.LE.2 F.LE.3 Interpret expi	In that models a relationship between two quantities. Write a function that describes a relationship between two quantities. \star Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decoying exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. \star citons from existing functions. Identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, $k f(x)$, $f(x)$, and $f(x + k)$ for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Find inverse functions. Solve an equation of the form $f(x) = c$ for a simple function $f(x) = c$ and $f(x) = c$ for $f(x) $	ns.		
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61 62 63 64 Cluster: 65 66 67 DOMAIN Cluster: 68 69 70 71 72 73 Cluster: 74 DOMAIN	F.BF.1.a F.BF.1.b F.BF.2 Build new fun F.BF.3 F.BF.4 F.BF.4.a F.BF.4.a F.BF.4.a F.LE.1.a F.LE.1.a F.LE.1.b F.LE.1.c F.LE.1.c F.LE.1.c F.LE.2 F.LE.3 Interpret expri	what models a relationship between two quantities. Write a function that describes a relationship between two quantities. \bigstar Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. \bigstar ctions from existing functions. Identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, $kf(x)$, $f(x)$, and $f(x * k)$ for specific values of k (both positive and negative); find the value of k given the graphs. Exprement with cases and illustrate an explanation of the effects on the graph using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Find inverse functions. Solve an equation of the form $f(x) = c$ for a simple function $f(x) = c$ and $f(x) = c$ an			
Cluster: 61 62 63 64 Cluster: 65 66 67 DOMAIN Cluster: 68 69 70 71 72 73 Cluster: 74 DOMAIN Cluster:	Build a function F.BF.1.a F.BF.1.b F.BF.2 Build new function F.BF.3 F.BF.4 F.BF.4.a F.BF.4.a F.BF.4.a F.LE.1.a F.LE.1.a F.LE.1.b F.LE.1.c F.LE.1.c F.LE.2 F.LE.3 Interpret exprine f.LE.5 H.S.S-ID - Interpret exprine f.LE.5 H.S.S-ID - Interpret exprine f.LE.5	what models a relationship between two quantities. Write a function that describes a relationship between two quantities. $\frac{1}{N}$ Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decoying exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. $\frac{1}{N}$ clions from existing functions. Identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, $k f(x)$, $f(x)$, and $f(x + k)$ for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Find inverse functions. Solve an equation of the form $f(x) = c$ for a simple function $f(x) = c$ an inverse and write an expression for the inverse. For example, $f(x) = 2 x^3$ or $f(x) = (x+1)/(x-1)$ for $x \ne 1$. Quadratic, and Exponential Models $\frac{1}{N}$ compare linear, quadratic, and exponential models and solve problen Distinguish between situations that can be modeled with linear functions and with exponential functions. Recognize situations in which one quantity grows or decays by a constant percent rate per unit interval relative to another. Recognize situations in which one quantity grows or decays by a constant percent rate per unit interval relative to another. Construct linear and exponential functions, including arithmetic and geometric sequences, given a graph, a description of a relationship, or two input-output pairs (include reading these from a table). Observe using graphs and tables that a quantity increasing exponentially eventually exceeds a quan			
Cluster: 61 62 63 64 Cluster: 65 66 67 DOMAIN Cluster: 68 69 70 71 72 73 Cluster: 74 DOMAIN Cluster:	Build a function F.BF.1.a F.BF.1.b F.BF.2 Build new function F.BF.3 F.BF.4 F.BF.4.a F.BF.4.a F.BF.4.a F.LE.1.a F.LE.1.a F.LE.1.b F.LE.1.c F.LE.1.c F.LE.2 F.LE.3 Interpret exprine f.LE.5 H.S.S-ID - Interpret exprine f.LE.5 H.S.S-ID - Interpret exprine f.LE.5	what models a relationship between two quantities. Write a function that describes a relationship between two quantities. \bigstar Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. \bigstar ctions from existing functions. Identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, $kf(x)$, $f(x)$, and $f(x * k)$ for specific values of k (both positive and negative); find the value of k given the graphs. Exprement with cases and illustrate an explanation of the effects on the graph using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Find inverse functions. Solve an equation of the form $f(x) = c$ for a simple function $f(x) = c$ and $f(x) = c$ an			
Cluster: 61 62 63 64 Cluster: 65 66 67 DOMAIN Cluster: 68 69 70 71 72 73 Cluster: 74 DOMAIN Cluster: 75	Build a function F.BF.1.a F.BF.1.b F.BF.2. Build new function F.BF.3. F.BF.4.a F.BF.4.a F.BF.4.a F.BF.4.a F.BF.4.a F.LE.1.b F.LE.1.c F.LE.1.c F.LE.1.c F.LE.1.c F.LE.2 F.LE.3 Interpret exprise. F.LE.5 Summarize, for S.ID.1	In that models a relationship between two quantities. Write a function that describes a relationship between two quantities. \star Determine an explicit expression, a recursive process, or steps for calculation from a context. Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model. Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. \star clions from existing functions. Identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, $k f(x)$, $f(x)$, and $f(x + k)$ for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Find inverse functions. Solve an equation of the form $f(x) = c$ for a simple function f that has an inverse and write an expression for the inverse. For example, $f(x) = 2 \times 3^2$ or $f(x) = (x+1)/(x-1)$ for $x \ne 1$. 7. Quadratic, and Exponential Models \bigstar Compare linear, quadratic, and exponential models and solve problem Distinguish between situations that can be modeled with linear functions and with exponential functions. Prove that linear functions grow by equal differences over equal intervals, and that exponential functions. Prove that linear functions grow by equal differences over equal intervals, and that exponential functions, grow by equal factors over equal intervals. Recognize situations in which a quantity grows or decays by a constant percent rate per unit interval relative to another. Recognize situations in which a quantity grows or decays by a constant percent rate per unit interval relative to another. Construct linear and exponential functions, inc			

		Interpret differences in shape, center, and spread in the context of				
77	S.ID.3	the data sets, accounting for possible effects of extreme data points				
		(outliers).				
Cluster:		present, and interpret data on two categorical and quantitative varial	oles.			
		Summarize categorical data for two categories in two-way frequency				
		tables. Interpret relative frequencies in the context of the data				
78		(including joint, marginal, and conditional relative frequencies).				
		Recognize possible associations and trends in the data.				
79		Represent data on two quantitative variables on a scatter plot, and				
,,,	3.15.0	describe how the variables are related.				
		Fit a function to the data; use functions fitted to data to solve				
		problems in the context of the data. Use given functions or choose a				
80	S.ID.6.a	function suggested by the context. Emphasize linear, quadratic, and				
		exponential models.				
		·				
81	S.ID.6.b	Informally assess the fit of a function by plotting and analyzing				
		residuals.				
82	S.ID.6.c	Fit a linear function for a scatter plot that suggests a linear				
	Silbiole	association.				
Cluster:	Interpret linea	r models.				
00	S.ID.7	Interpret the slope (rate of change) and the intercept (constant				
83	S.ID./	term) of a linear model in the context of the data.				
		Compute (using technology) and interpret the correlation coefficient				
84		of a linear fit.				
85		Distinguish between correlation and causation.				
65	3.10.3	Distinguish between correlation and causation.				

C4:	2. Math Cantant Barrion.			
	2: Math Content Review			
	ERS/PROVIDERS:			
	ath Content Review tab will be completed solely by the rev			r score
	ne material based on their overall review of the material. Y		•	
• The ma	aterial will be scored for alignment with each criterion as "I	Meets expe	ectations", "Partially meets expectations", or	
"Does	not meet expectations".			
Criteria			Required: Reviewer's Evidence from Material	
#	Grades K-12 Math Content Criteria	Score	Include where you found the evidence in the material and what	Comments, citations, notes
			evidence you found that supports your score.	
	REA 1: RIGOR AND MATHEMATICAL PRACTICES			p
	s support student mastery through a grade-appropriate ba			application.
Material	s meaningfully connect the Content Standards (CCSS) with	tne Stand	ards for Mathematical Practice (SMPs).	
	Conceptual Understanding:			
1	Materials support the intentional development of			
	students' conceptual understanding of key mathematical			
	concepts.			
	Procedural Skill and Fluency:			
2	Materials support intentional opportunities for students			
_	to develop procedural skills and fluencies in alignment			
	with what is called for in the grade-level standards.			
	Application:			
	Materials support students' ability to leverage			
3	mathematical skills, concepts, representations, and			
	strategies across a range of contexts, (including applying			
	learning to real-world situations and new contexts).			
	Balance of Rigor:			
	With equitable intensity			
4	The three aspects of rigor are not always treated			
4	together and are not always treated separately. The			
	three aspects are balanced with respect to the standards			
	being addressed in each grade level.			
	SMPs 1 and 6			
	Materials support the intentional development of			
5	making sense of problems and attending to precision as			
	required by the mathematical practice standards 1 and			
	6.			
	SMPs 2 and 3			
	Materials support the intentional development of			
_	reasoning abstractly and quantitatively, along with			
6	developing viable arguments and critiquing the			
	reasoning of others, in connection to the content			
	standards, as required by the practice standards 2 and 3.			
	SMPs 4 and 5			
	Materials support the intentional development of			
7	modeling and using tools, in connection to the content			
	standards, as required by the mathematical practice			
	standards 4 and 5.			
	SMPs 7 and 8			
	Materials support the intentional development of seeing			
8	structure and generalizing, in connection to the content			
	standards, as required by the mathematical practice			
	standards 7 and 8.			
FOCUS A	REA 2: STUDENT CENTERED INSTRUCTION			
Material	s contain embedded resources (routines, strategies, and p	edagogica	suggestions) to support all students in developing a po	sitive
	atical identity, cultivating self-efficacy, and seeing themse			
	Materials provide students with opportunities to			
	develop self-efficacy and a positive mathematical			
9	identity through opportunities to engage in grade-level			
	tasks using various sharing strategies and approaches.			
46	Materials provide opportunities for students to see			
10	themselves as contributors to the math community.			

FOCUS A	REA 3: INSTRUCTIONAL SUPPORTS FOR ALL STAKEHOLDER	RS				
	Materials provide guidance and resources to support educators in internalizing the mathematical content and providing responsive and					
	differentiated instruction to all students. Materials contain helpful resources to support implementation and instruction (e.g. materials for					
leaders,	teachers, students, families/ caregivers, etc).					
	Teacher materials contain full, adult-level explanations					
	and examples of the mathematics concepts within					
11	lessons so teachers can improve their own knowledge of					
	the subject. Materials are in print or clearly					
	distinguished/accessible as a teacher's edition in digital					
	materials.					
	The materials provide guidance for unit/lesson					
12	preparation to support use of the materials as intended					
12	and to further develop the teachers' own understanding					
	of the mathematical approach.					
	Teacher materials provide insight into students' ways of					
13	thinking with respect to important mathematical					
13	concepts, especially anticipating a variety of student					
	responses.					
	Materials contain strategies for informing parents or					
14	caregivers about the mathematics program and					
14	suggestions for how they can help support student					
	progress and achievement.					

Section	2: All Content Review			
PUBLISH	IERS/PROVIDERS:			
	Il Content Review tab will be completed solely by the review	•	·	core
	the material based on their overall review of the material.			
	naterial will be scored for alignment with each criterion as "	Meets expe	ectations", "Partially meets expectations", or	
	not meet expectations".		Required: Reviewer's Evidence from Material	
Criteria #	All Content Criteria Review	Score	Include where you found the evidence in the material and what evidence you found that supports your score.	Comments, citations, notes
	AREA 1: COHERENCE			
	onal materials are coherent and consistent with the New		ntent Standards	
that all s	students should study in order to be college- and career-re	ady.		
1	Instructional materials address the full content contained in the standards for all students by grade level.			
2	Instructional materials support students to show mastery of each standard.			
	Instructional materials require students to engage at a			
3	level of maturity appropriate to the grade level under review.			
	Instructional materials are coherent, making meaningful			
4	connections for students by linking the standards within			
	a lesson and unit.			
FOCUS A	AREA 2: WELL-DESIGNED LESSONS			
Instructi	onal materials take into account effective lesson structure	and pacin	g.	
	The Teacher Edition presents learning progressions to			
5	provide an overview of the scope and sequence of skills			
5	and concepts. The design of the assignments shows a purposeful sequencing of teaching and learning			
	expectations.			
	Within each lesson of the instructional materials, there			
6	are clear, measurable, standards-aligned content			
	objectives.			
	Within each lesson of the instructional materials, there			
7	are clear, measurable language objectives tied directly			
	to the content objectives.			
	Instructional materials provide focused resources to			
8	support students' acquisition of both general academic			
	vocabulary and content-specific vocabulary. The visual design of the instructional materials (whether			
9	in print or digital) maintains a consistent layout that			
	supports student engagement with the subject.			
	Instructional materials incorporate features that aid			
10	students and teachers in making meaning of the text.			
	Instructional materials provide students with ongoing			
11	review and practice for the purpose of retaining			
	previously acquired knowledge.			
	AREA 3: RESOURCES FOR PLANNING			
	onal materials provide teacher resources to support plant erstanding of the New Mexico Content Standards.	iing, iearni	ng,	
and und	Instructional materials provide a list of lessons in the			
	Teacher Edition (in print or clearly distinguished/			
42	accessible as a teacher's edition in digital materials),			
12	cross-referencing the standards addressed and providing			
	an estimated instructional time for each lesson, chapter,			
	and unit.			
	Instructional materials support teachers with			
13	instructional strategies to help guide students' academic			
	development.			
	Instructional materials include a teacher edition/			
14	teacher-facing material with useful annotations and suggestions on how to present the content in the			
1	student edition/student-facing material and in the			
	supporting material			

15	Instructional materials integrate opportunities for digital learning, including interactive digital components.			
	REA 4: ASSESSMENT			
	onal materials offer teachers a variety of assessment reso		tools	
to collect	t ongoing data about student progress related to the stan Instructional materials provide a variety of assessments	aaras.		
	that measure student progress in all strands of the			
16	standards for the content under review.			
	(Adopted New Mexico Content Standards for 2024: NM			
	STEM Ready Science Standards)			
	Instructional materials provide multiple formative and			
17	summative assessments, clearly defining which			
17	standards are being assessed through content and			
	language objectives.			
	Instructional materials provide scoring guides for			
	assessments that are aligned with the standards they			
18	address, and that offer teachers guidance in interpreting			
	student performance and suggestions for further			
	instruction, differentiation, and/or acceleration.			
	Instructional materials provide appropriate assessment alternatives for English Learners, Culturally and			
19	Linguistically Diverse students, advanced students, and			
	special needs students.			
	Instructional materials include opportunities to assess			
20	student understanding and knowledge of the standards			
	using technology.			
	REA 5: EXTENSIVE SUPPORT			
Instruction	onal materials give all students extensive opportunities a	nd support	to explore key concepts.	
21	Instructional materials can be customized or adapted to			
	meet the needs of different student populations.			
22	Instructional materials provide differentiated strategies and/or activities to meet the needs of students working			
22	below proficiency and those of advanced learners.			
	Instructional materials provide appropriate linguistic			
	support for English Learners and Culturally and			
	Linguistically Diverse students, and accommodations			
23	and modifications for other special populations that will			
	support their regular and active participation in learning			
	content.			
	Instructional materials provide strategies and resources			
	for teachers to inform and engage parents, family			
24	members, and caregivers of all learners about the			
	program and provide suggestions for how they can help			
	support student progress and achievement. Instructional materials include opportunities for all			
	students that encourage and support critical and			
25	creative thinking, inquiry, and complex problem-solving			
	skills.			
FOCUS A	REA 6: CULTURAL AND LINGUISTIC PERSPECTIVES			
Instruction	onal materials represent a variety of cultural and linguisti	c perspecti	ves.	
	Instructional materials inform culturally and linguistically			
26	responsive pedagogy by affirming students' backgrounds			
	in the materials themselves and in the student			
	discussions.			
	Instructional materials provide a collection of images, stories, and information, representing a broad range of			
27	demographic groups, and do not make generalizations			
	or reinforce stereotypes.			
	Instructional materials provide context, illustrations, and			
	activities for students to make interdisciplinary			
28	connections and/or connections to real-life experiences			
	and diverse cultural and linguistic backgrounds.			
FOCUS A	REA 7: INCLUSION OF CULTURALLY AND LINGUISTICALLY F	RESPONSIV	E LENS	
Instruction	onal materials highlight diversity in culture and language	through m	ultiple perspectives.	

29	Instructional materials include tools and resources to relate the content area appropriately to diversity in		
	culture and language.		
30	Instructional materials include tools and resources that		
	demonstrate multiple perspectives in a specific concept.		
	Instructional materials engage students in critical		
31	reflection about their own lives and societies, including		
	cultures past and present in New Mexico.		
	Instructional materials address multiple ethnic		
32	descriptions, interpretations, or perspectives of events		
	and experiences.		

Stan	Standards for Mathematical Practice						
1	Make sense of problems and persevere in solving them.						
2	Reason abstractly and quantitatively.						
3	Construct viable arguments and critique the reasoning of others.						
4	Model with mathematics.						
5	Use appropriate tools strategically.						
6	Attend to precision.						
7	Look for and make use of structure.						
8	Look for and express regularity in repeated reasoning.						