Algebra I: Content (Sub-Claim A) The student solves problems involving the Major Content for the grade/course with connections to the Standards for Mathematical Practice. Partially or Does Not Yet Meet **Exceeds Expectations Meets Expectations Approaches Expectations Expectations** Expressions: A-SSE.1-1, A-SSE.1-2, A-SSE.2-1, A.APR.1-1 Writes and analyzes equivalent Writes equivalent numerical and Writes equivalent numerical and Writes equivalent numerical and numerical and polynomial polynomial expressions in one polynomial expressions in one polynomial expressions in one expressions in one variable, using variable, using addition, subtraction, variable, using addition, subtraction variable, using addition, subtraction addition, subtraction, multiplication multiplication and factoring. and multiplication. and multiplication. and factoring, including multi-step problems. Interprets parts of complicated Interprets parts of exponential and Identifies components of Identifies components of exponential and quadratic quadratic expressions that represent exponential and quadratic exponential expressions. expressions that represent a a quantity in terms of its context. expressions. quantity in terms of its context. Interpreting Functions: F-IF.1, F-IF.2, F-IF.A.Int.1, F-IF.4-1, F-IF.5-1, F-IF.5-2, F.Int.1-1 S.ID.Int.1 Determines if a given relation is a function. function. function. function. Evaluates with, uses and interprets Evaluates with and uses function Evaluates with and uses function Evaluates with and uses function with function notation within a notation within a context. notation. notation. context. Given a context, writes and analyzes Given a context, writes a linear Given a context, writes a linear Given a context, writes a linear a linear or quadratic function. function. function. function. For linear and quadratic functions For linear and quadratic functions For linear and quadratic functions Given the graph of linear functions that model contextual relationships, that model contextual relationships, that model contextual relationships, that model contextual relationships, determines key features and graphs determines and interprets key determines key features. determines key features. features, graphs the function and the function. solves problems. Determines the domain and relates it Determines the domain and relates it Determines the domain of linear and to the quantitative relationship it to the quantitative relationship it quadratic functions. describes for a linear, quadratic, describes for linear, quadratic and exponential (limited to domains in

Algebra I: Content (Sub-Claim A) The student solves problems involving the Major Content for the grade/course with connections to the Standards for Mathematical Practice.						
Exceeds Expectations Meets Expectations Approaches Expectations Expectations Expectations						
the integers), square root, cube root, piece-wise, step and absolute value functions.	exponential (limited to domains in the integers) functions.					
Rate of Change: F-IF.6-1a, F-IF.6-1b	o, F-IF.6-6a, F-IF.6-6b					
Calculates and interprets the average rate of change of linear, exponential, quadratic, square root, cube root and piecewise-defined functions (presented symbolically or as a table) over a specified interval, and estimates the rate of change from a graph.	Calculates the average rate of change of linear, exponential and quadratic functions (presented symbolically or as a table) over a specified interval and estimate the rate of change from a graph.	Calculates the average rate of change of linear, exponential and quadratic functions (presented symbolically or as a table) over a specified interval.	Calculates the average rate of change of linear, exponential and quadratic functions (presented as a table) over a specified interval.			
Compares rates of change associated with different intervals.						
Solving Algebraically: A-REI.3, A-REI.4a	a-1, A-REI.4b-1, A.REI.4b-2, A-CED.4-1,	A-CED.4-2, HS-Int.1, HS-Int.2, HS-Int.3-	-2			
Algebraically solves linear equations, linear inequalities and quadratics in one variable (at complexity appropriate to the course), including those with coefficients represented by letters.	Algebraically solves linear equations, linear inequalities and quadratics in one variable (at complexity appropriate to the course), including those with coefficients represented by letters.	Algebraically solves linear equations, linear inequalities and quadratics in one variable (at complexity appropriate to the course).	Algebraically solves linear equations and linear inequalities in one variable (at complexity appropriate to the course).			
Utilizes structure and rewriting as strategies for solving.						
Solving Graphically: A-CED.3-1, A-REL.	Solving Graphically: A-CED.3-1, A-REI.10, A-REI.11-1a, A-REI.12					
Graphs and analyzes the solution sets of equations, linear inequalities and systems of linear inequalities.	Graphs the solution sets of equations, linear inequalities and systems of linear equations and linear inequalities.	Graphs the solution sets of equations and linear inequalities.	Graphs the solution sets of equations and linear inequalities.			

Algebra I: Content (Sub-Claim A)

The student solves problems involving the Major Content for the grade/course with connections to the Standards for Mathematical Practice.

Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations
Finds the solutions to two polynomial functions approximately, e.g., using technology to graph the functions, make tables of values, or find successive approximations.	Finds the solutions to two polynomial functions approximately, e.g., using technology to graph the functions, make tables of values, or find successive approximations.	Finds the solutions to two polynomial functions approximately, e.g., using technology to graph the functions, make tables of values, or find successive approximations.	Given the graph, identifythe solutions of a system of two polynomial functions.
Writes a system of linear inequalities given a context.			

Algebra I: Content (Sub-Claim B) The student solves problems involving the Additional and Supporting Content for the grade/course with connections to the Standards for Mathematical Practice. **Partially or Does Not Yet Meet Exceeds Expectations Meets Expectations Approaches Expectations Expectations** Number Systems: N-RN.B-1 Identifies rational and irrational Identifies rational and irrational Identifies rational and irrational Identifies rational and irrational numbers. numbers. numbers. numbers. Calculates sums and products of Calculates sums and products of two two rational and/or irrational rational and/or irrational numbers. numbers and determines whether

Equivalent Expressions and Functions: A-SSE.3a, A-SSE.3b, A-SSE.3c-1, F.IF.8a

Determines equivalent forms of	Determines equivalent forms of	Identifies equivalent forms of	Identifies equivalent forms of
quadratic and exponential (with	quadratic expressions and functions.	quadratic expressions and functions.	quadratic expressions and functions
integer domain) expressions and			in cases where suitable
functions to reveal and explain their			factorizations are provided.
properties.			
	Uses equivalent forms to reveal and explain zeros, extreme values and symmetry.	Identifies zeros and symmetry.	

Interpreting Graphs of Functions: A-APR.3-1, F-IF.7a-1, F-IF.7a-2 F-IF.7b

Graphs linear, quadratic, cubic (in	Graphs linear, quadratic and cubic (in	Graphs linear and quadratic	Graphs linear functions, showing key
which linear and quadratic factors	which linear and quadratic factors	functions, showing key features.	features.
are available), square root, cube	are available) functions, showing key		
root and piecewise-defined	features.		
functions, showing key features.			
Determines a function, given a graph			
with key features identified.			
Function Transformations: F-BF.3-1. F-BF.3-4			

runction fransionnations. F-br.5-1, F-br.5-4

and generalizes when the sums and products are rational or irrational.

transformations on graphs of linear	transformation on graphs of linear	transformation on graphs of linear	transformation on graphs of linear
Identifies the effects of multiple	Identifies the effects of a single	Identifies the effects of a single	Identifies the effects of a single

Algebra I: Content (Sub-Claim B)

The student solves problems involving the Additional and Supporting Content for the grade/course with connections to the Standards for Mathematical Practice.

Mathematical Practice.			
Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations
and quadratic functions and finds the value of k given a transformed graph.	and quadratic functions, including $f(x)+k$, $kf(x)$, $f(kx)$ and $f(x+k)$, and finds the value of k given a transformed graph.	and quadratic functions, limited to $f(x)+k$ and $kf(x)$.	and quadratic functions, limited to $f(x)+k$.
Experiments with cases using technology.			
Given the equation of a transformed linear or quadratic function, creates an appropriate graph.			
Multiple Representations of Functions	: A-REI.6-1, F-LE.2-1, F-LE.2-2, F-IF.9-	1, F-Int.1-1, S-ID.Int.1, S-ID.Int.2, HS-Int.	1, HS-Int.2, HS-Int.3-1, HS-Int.3-2
Writes and analyzes systems of linear equations in multi- step contextual problems.	Writes systems of linear equations in multi-step contextual problems.	Writes systems of linear equations in multi-step contextual problems.	Writes systems of linear equations in simple contextual problems.
Represents linear and exponential (with domain in the integers) functions symbolically, in real-life scenarios, graphically, with a verbal description, as a sequence and with input- output pairs to solve mathematical and contextual problems.	Represents linear and exponential (with domain in the integers) functions symbolically, graphically and with input-output pairs to solve mathematical problems.	Given a symbolic representation, real-life scenario, graph, verbal description, sequence or inputoutput pairs for linear and exponential functions (with domains in the integers), solves mathematical problems.	Given a symbolic representation, real-life scenario, graph, verbal description, sequence or inputoutput pairs for linear functions, solves mathematical problems.
Compares the properties of two functions represented in different ways, limited to linear, quadratic, exponential (with domains in the integers), square root, absolute value cube root, piecewise and step.	Compares the properties of two functions represented in different ways, limited to linear, quadratic, and exponential (with domains in the integers).	Compares the properties of two functions represented in different ways, limited to linear and quadratic.	Compares the properties of two linear functions represented in different ways.

Algebra I: Content (Sub-Claim B)

The student solves problems involving the Additional and Supporting Content for the grade/course with connections to the Standards for Mathematical Practice.

Mathematical Practice.				
Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations	
Summarizing Representing and Interpreting Data: S-ID.5, S-ID.Int.1 S-ID.Int.2				
Determines appropriate representations of categorical and quantitative data, summarizing and interpreting the data and characteristics of the representations.	Determines appropriate representations of categorical and quantitative data, summarizing the data and characteristics of the representations.	Given representations of categorical and quantitative data, summarizes the data and characteristics of the representations.	Given representations of categorical and quantitative data, describes the characteristics of the representations.	
Describes and interprets possible associations and trends in the data.				

critiquing the reasoning of others and/or attending to precision when making mathematical statements.

Algebra I: Reasoning (Sub-Claim C) In connection with content, the student expresses course-level appropriate mathematical reasoning by constructing viable arguments, Partially or Does Not Yet Meet **Exceeds Expectations Meets Expectations Approaches Expectations Expectations** Reasoning: HS.C.2.1, HS.C.5.5, HS.C.5.6, HS.C.5.10.1, HS.C.6.1, HS.C.8.1, HS.C.9.1, HS.C.10.1, HS.C.12.1, HS.C.16.2, HS.C.18.1 In connection with the content In connection with the content In connection with the content knowledge, skills, and abilities knowledge, skills, and abilities knowledge, skills, and abilities described in Sub-claims A and B, the described in Sub-claims A and B, the described in Sub-claims A and B, the student clearly constructs and student clearly constructs and student constructs and communicates a complete response communicates a response based on: communicates a partial response based on: based on: response based on: • the principle that a graph of an • the principle that a graph of an equation in two variables is the • the principle that a graph of an equation in two variables is the set of all its solutions equation in two variables is the set of all its solutions set of all its solutions reasoning about linear and reasoning about linear and exponential growth reasoning about linear and exponential growth exponential growth properties of rational numbers of properties of rational numbers or rational numbers or irrational • properties of rational numbers or irrational numbers numbers irrational numbers transformations of functions transformations of functions transformations of functions • a chain of reasoning to justify or • a chain of reasoning to justify or • a chain of reasoning to justify or

- refute algebraic, function, or linear-equation propositions or conjectures
- a given equation or system of equations
- the number or nature of solutions
 - using a logical approach based on a conjecture and/or stated assumptions, utilizing mathematical connections (when appropriate) providing an efficient and logical

- refute algebraic, function, or linear-equation propositions or conjectures
- a given equation or system of equations
- the number or nature of solutions
 - using a logical approach based on a conjecture and/or stated assumptions, utilizing mathematical connections (when appropriate)

- refute algebraic, function, or linear-equation propositions or conjectures
- a given equation or system of equations
- the number or nature of solutions
 - o using a logical approach based on a conjecture and/or stated assumptions
 - o providing a logical, but incomplete, progression of steps or chain of reasoning

In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, the student constructs and communicates an incomplete

- the principle that a graph of an equation in two variables is the set of all its solutions
- reasoning about linear and exponential growth
- properties of rational numbers or irrational numbers
- transformations of functions
- a chain of reasoning to justify or refute algebraic, function or linear-equation propositions or conjectures
- a given equation or system of equations
- the number or nature of solutions by:
 - o using an approach based on a conjecture and/or stated or faulty assumptions
 - o providing an incomplete or illogical progression of steps or chain of reasoning

Algebra I: Reasoning (Sub-Claim C)

In connection with content, the student expresses course-level appropriate mathematical reasoning by constructing viable arguments, critiquing the reasoning of others and/or attending to precision when making mathematical statements.

critiquing the reasoning of others and/or attending to precision when making mathematical statements.				
Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations	
progression of steps or chain of reasoning with appropriate justification performing precise calculations using correct grade-level vocabulary, symbols and labels providing a justification of a conclusion determining whether an argument or conclusionis generalizable evaluating, interpreting and critiquing the validity of others' responses, approaches and reasoning — utilizing mathematical connections (when appropriate) — and providing a counter-example where applicable	 providing a logical progression of steps or chain of reasoning with appropriate justification performing precise calculations using correct grade-level vocabulary, symbols and labels providing a justification of a conclusion evaluating, interpreting and critiquing the validity of others' responses, approaches and reasoning - utilizing mathematical connections (when appropriate 	 performing minor calculation errors using some grade-level vocabulary, symbols and labels providing a partial justification of a conclusion based on own calculations evaluating the validity of others' approaches and conclusions 	 making an intrusive calculation error using limited grade-level vocabulary, symbols and labels providing a partial justification of a conclusion based on own calculations 	

Algebra I: Modeling (Sub-Claim D)

In connection with content, the student solves real-world problems with a degree of difficulty appropriate to the grade/course by applying knowledge and skills articulated in the standards for the current grade/course (or for more complex problems, knowledge and skills articulated in the standards for previous grades/courses), engaging particularly in the Modeling practice, and where helpful making sense of problems and persevering to solve them, reasoning abstractly, and quantitatively, using appropriate tools strategically, looking for the making use of structure and/or looking for and expressing regularity in repeated reasoning.

making use of structure and/or looking for and expressing regularity in repeated reasoning.			
Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations
Modeling: HS.D.1-1, HS.D.2-5, HS.D.2-6	5, HS.D.2-8, HS.D.2-9, HS.D.3-1a, HS.D.3	3-3a	
In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, the student devises and enacts a plan to apply mathematics in solving problems arising in everyday life, society and the workplace by: • using state assumptions and making assumption and approximations to simplify a realworld situation (includes micromodels) • mapping relationships between important quantities • selecting appropriate tools to create models • analyzing relationships mathematically between important quantities to draw conclusion • analyzing and/or creating constraints, relationships and goals • interpreting mathematical results	In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, the student devises and enacts a plan to apply mathematics in solving problems arising in everyday life, society and the workplace by: • using stated assumptions and making assumptions and approximations to simplify a realworld situation (include micromodels) • mapping relationships between important quantities • selecting appropriate tools to create models • analyzing relationships mathematically between important quantities to draw conclusions • interpreting mathematical results in the context of the situation • reflecting on whether the results make sense • improving the model if it has not	In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, the student devises and enacts a plan to apply mathematics in solving problems arising in everyday life, society and the workplace by: • using state assumptions and approximations to simplify a realworld situation • illustrating relationships between important quantities • using provided tools to create models • analyzing relationship mathematically between important quantities to draw conclusions • interpreting mathematical results in a simplified context • reflecting on whether the results make sense • modifying the model if it has not served its purpose	In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, the student devises a plan to apply mathematics in solving problems arising in everyday life, society and the workplace by: • using stated assumptions and approximations to simplify a realworld situation • identifying important quantities • using provided tools to create models • analyzing relationships mathematically to draw conclusions • writing an algebraic expression or equation to describe a situation • applying proportional reasoning and percentages • using functions to describe how one quantity of interest depends on another
in the context of the situation	served its purpose		using statistics

Algebra I: Modeling (Sub-Claim D)

In connection with content, the student solves real-world problems with a degree of difficulty appropriate to the grade/course by applying knowledge and skills articulated in the standards for the current grade/course (or for more complex problems, knowledge and skills articulated in the standards for previous grades/courses), engaging particularly in the Modeling practice, and where helpful making sense of problems and persevering to solve them, reasoning abstractly, and quantitatively, using appropriate tools strategically, looking for the making use of structure and/or looking for and expressing regularity in repeated reasoning.

Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations
reflecting on whether the results make sense improving the model if it has not served its purpose writing a complete, clear and correct algebraic expression or equation to describe a situation applying proportional reasoning and percentages justifying and defending models which lead to a conclusion using functions in any form to describe how one quantity of interest depends on another using statistics using reasonable estimates of	 writing a complete, clear and correct algebraic expression or equation to describe a situation applying proportional reasoning and percentages writing and using functions in any form to describe how one quantity of interest depends on another using statistics using reasonable estimates of known quantities in a chain of reasoning that yields an estimate of an unknown quantity 	 writing an algebraic expression or equation to describe a situation applying proportional reasoning and percentages writing and using functions to describe how one quantity of interest depends on another using statistics using reasonable estimates of known quantities in a chain of reasoning that yields an estimate of an unknown quantity 	using estimates of known quantities in a chain of reasoning that yields an estimate of an unknown quantity
known quantities in a chain of reasoning that yields an estimate of an unknown quantity			

Geometry: Content (Sub-Claim A) The student solves problems involving the Major Content for the grade/course with connections to the Standards for Mathematical Practice.				
Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations	
Congruence Transformations: G-CC	D.6, G-CO.C			
Determines and uses appropriate geometric theorems and properties of rigid motions, lines, angles, triangles and parallelograms to solve problems and prove statements about angle measurement, triangles, distance, line properties and congruence.	Uses given geometric theorems and properties of rigid motions, lines, angles, triangles and parallelograms to solve routine problems and prove statements about angle measurement, triangles, distance, line properties and congruence.	Uses given geometric theorems and properties of rigid motions, lines, angles, triangles and parallelograms to solve routine problems and reason about angle measurement, triangles, distance, line properties and congruence.	Uses given geometric theorems and properties of rigid motions, lines, angles, triangles and parallelograms to solve routine problems.	
Similarity: G-SRT.1a, G-SRT.1b, G-SR	T.2, G-SRT.5			
Uses transformations and congruence and similarity criteria for triangles to prove relationships among geometric figures and to solve problems.	Uses transformations to determine relationships among simple geometric figures and to solve problems.	Identifies transformation relationships in simple geometric figures.	Identifies transformation relationships in simple geometric figures in cases where an image is provided.	
Similarity in Trigonometry: G-SRT.6,	G-SRT.7-2, G-SRT.8			
Uses trigonometric ratios, the Pythagorean Theorem and the relationship between sine and cosine to solve right triangles in applied problems.	Uses trigonometric ratios, the Pythagorean Theorem and the relationship between sine and cosine to solve right triangles in applied problems.	Uses trigonometric ratios and the Pythagorean Theorem to determine the unknown side lengths and angle measurements of a right triangle.	Uses trigonometric ratios and the Pythagorean Theorem to determine the unknown side lengths of a right triangle.	
Uses similarity transformations with right triangles to define trigonometric ratios for acute angles.				
Modeling and Applying: G-SRT.7-2, G-	SRT.8, G-GPE.6 G-Int.1			
Uses geometric relationships in the coordinate plane to solve problems involving area, perimeter and ratios of lengths.	Uses geometric relationships in the coordinate plane to solve problems involving area, perimeter and ratios of lengths.	Uses provided geometric relationships in the coordinate plane to solve problems involving area and perimeter.	Uses provided geometric relationships in the coordinate plane to solve problems involving area and perimeter.	

Geometry: Content (Sub-Claim A)

The student solves problems involving the Major Content for the grade/course with connections to the Standards for Mathematical Practice.

Practice.			
Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations
Applies geometric concepts and trigonometric ratios to describe, model and solve applied problems (including design problems) related to the Pythagorean Theorem, density, geometric shapes, their measures and properties.	Applies geometric concepts to describe, model and solve applied problems related to the Pythagorean Theorem, geometric shapes, their measures and properties.	Applies geometric concepts to describe, model and solve applied problems related to the Pythagorean Theorem, geometric shapes, their measures and properties.	Applies geometric concepts to describe, model and solve applied problems related to geometric shapes, their measures, and properties.

Geometry: Content (Sub-Claim B) The student solves problems involving the Additional and Supporting Content for the grade/course with connections to the Standards for Mathematical Practice. Partially or Does Not Yet Meet **Exceeds Expectations Meets Expectations Approaches Expectations Expectations** Transformations: G-CO.1, G-CO.3, G-CO.5 Given a figure and a sequence of Given a figure and a transformation, Given a figure and a transformation, Given a figure and a transformation, transformations, draws the draws the transformed figure. draws the transformed figure. identifies a transformed figure. transformed figure. Uses precise geometric terminology Specifies a sequence of to specify a sequence of transformations that will carry a transformations that will carry a figure onto another. figure onto itself or another. Geometric Constructions: G-CO.D Understands geometric Understands geometric Understands basic geometric Understands basic geometric constructions: copying a segment, constructions: copying a segment, constructions: copying a segment, constructions: copying a segment copying an angle, bisecting an angle, copying an angle, bisecting an angle, copying an angle, bisecting an angle, and copying an angle. bisecting a segment, including the bisecting a segment, including the bisecting a segment, including the perpendicular bisector of a line perpendicular bisector of a line perpendicular bisector of a line segment. segment. segment. Given a line and a point not on the Given a line and a point not on the line, uses a variety of tools and line, constructs perpendicular and methods to construct perpendicular parallel lines. and parallel lines. Uses a variety of tools and methods to construct equilateral triangles, squares, and hexagons inscribed in circles. Applying Geometric Properties and Theorems: G-C.2, G-C.B, G-GPE.1-1, G-GPE.1-2 Applies properties and theorems of angles, segments and arcs in circles angles, segments and arcs in circles angles and segments to solve angles, segments and arcs in circles to solve problems and model to solve problems. to solve problems. problems. relationships.

Geometry: Content (Sub-Claim B)

The student solves problems involving the Additional and Supporting Content for the grade/course with connections to the Standards for Mathematical Practice.

Mathematical Practice.				
Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations	
Completes the square to find the center and radius of a circle given by an equation.	Completes the square to find the center and radius of a circle given by an equation.			
Geometric Formulas: G-GMD.1, G-GM	ID.3, G-GMD.4			
Uses volume formulas to solve mathematical and contextual problems that involve cylinders, pyramids, cones and spheres.	Using formulas, determines the volume of cylinders, pyramids, cones and spheres.	Using formulas, determines the volume of cylinders, pyramids, cones and spheres.	Using formulas, determines the volume of cylinders, pyramids, cones and spheres.	
Uses dissection arguments, Cavalieri's principle and informal limit arguments to support the formula for the circumference of a circle, area of a circle, volume of a cylinder, pyramid, and cone.	Gives an informal argument for the formula for the circumference of a circle and area of a circle, including dissection arguments.			
Identifies the shapes of two- dimensional cross-sections of three- dimensional objects and identifies three-dimensional objects generated by rotations of two- dimensional objects.	Identifies the shapes of two-dimensional cross-sections of three-dimensional objects.	Identifies the shapes of two-dimensional cross-sections of three-dimensional objects.	Identifies the shapes of two- dimensional cross-sections of three-dimensional objects, when cross sections are parallel or perpendicular to a base/face.	

critiquing the reasoning of others and/or attending to precision when making mathematical statements.

Geometry: Reasoning (Sub-Claim C) In connection with content, the student expresses course-level appropriate mathematical reasoning by constructing viable arguments, Partially or Does Not Yet Meet **Exceeds Expectations Meets Expectations Approaches Expectations Expectations** Reasoning: HS.C.13.1, HS.C.13.2, HS.C.13.3, HS.C.14.1, HS.C.14.2, HS.C.14.3, HS.C.14.5, HS.C.14.6, HS.C.15.14, HS.C.18.2 In connection with the content In connection with the content In connection with the content knowledge, skills, and abilities knowledge, skills, and abilities knowledge, skills, and abilities described in Sub-claims A and B, the described in Sub-claims A and B, the described in Sub-claims A and B, the student clearly constructs and student clearly constructs and student constructs and communicates a complete response communicates a response based on: communicates a partial response based on: based on: response based on: • a chain of reasoning to justify or a chain of reasoning to justify or refute algebraic and/or • a chain of reasoning to justify or refute algebraic and/or refute algebraic and/or geometric propositions or geometric propositions or conjectures geometric propositions or conjectures conjectures conjectures geometric reasoning in a coordinate setting, OR geometric reasoning in a geometric reasoning in a coordinate setting, OR coordinate setting, OR a response to a multi-step • a response to a multi-step a response to a multi-step problem, by: problem, by: problem, by: problem, by: using a logical approach based o using a logical approach based on a conjecture and/or stated using a logical approach based

- on a conjecture and/or stated assumptions, utilizing mathematical connections (when appropriate)
- o providing an efficient and logical progression of steps or chain of reasoning with appropriate justification
- o performing precise calculation
- using correct grade- level vocabulary, symbols and labels
- o providing a justification of a conclusion

- assumptions, utilizing mathematical connections (when appropriate)
- o providing a logical progression of steps or chain of reasoning with appropriate justification
- performing precise calculations
- using correct grade-level vocabulary, symbols and labels
- o providing a justification of a conclusion

- on a conjecture and/or stated assumptions
- o providing a logical, but incomplete, progression of steps or chain of reasoning
- o performing minor calculation errors
- using grade-level some vocabulary, symbols and labels
- o providing a partial justification of a conclusion based on own calculations

In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, the student constructs and communicates an incomplete

- a chain of reasoning to justify or refute algebraic and/or geometric propositions or
- geometric reasoning in a coordinate setting, OR
- a response to a multi-step
 - o using an approach based on a conjecture and/or stated or faulty assumptions
 - o providing an incomplete or illogical chain of reasoning, or progression of steps
 - o making an intrusive calculation error
 - o using limited grade-level vocabulary, symbols and labels
 - o providing a partial justification of a conclusion based on own calculations

Geometry: Reasoning (Sub-Claim C)

In connection with content, the student expresses course-level appropriate mathematical reasoning by constructing viable arguments, critiquing the reasoning of others and/or attending to precision when making mathematical statements.

critiquing the reasoning of others and/or attending to precision when making mathematical statements.				
Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations	
 determining whether an argument or conclusionis generalizable evaluating, interpreting and critiquing the validity of others' responses, approaches and reasoning – utilizing mathematical connections (when appropriate) – and providing a counter example where applicable. 	 evaluating, interpreting and critiquing the validity of others' responses, approaches and reasoning – utilizing mathematical connections (when appropriate). 	 evaluating the validity of others' approaches and conclusions 		

Geometry: Modeling (Sub-Claim D)

In connection with content, the student solves real-world problems with a degree of difficulty appropriate to the grade/course by applying knowledge and skills articulated in the standards for the current grade/course (or for more complex problems, knowledge and skills articulated in the standards for previous grades/courses), engaging particularly in the Modeling practice, and where helpful making sense of problems and persevering to solve them, reasoning abstractly, and quantitatively, using appropriate tools strategically, looking for the making use of structure and/or looking for and expressing regularity in repeated reasoning.

making use of structure and/or looking for and expressing regularity in repeated reasoning.				
Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations	
Modeling: HS.D.1-2, HS.D.2-1, HS.D.2-2	2, HS.D.2–11, HS.D.3–2a, HS.D.3–4a			
In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, devises and enacts a plan to apply mathematics in solving problems arising in everyday life, society and the workplace by: • using stated assumptions and making assumptions and approximations to simplify a reworld situation (includes micromodels) • mapping relationships between important quantities • selecting appropriate tools to create models • analyzing relationships mathematically between important quantities to draw conclusion • analyzing and/or creating constraints, relationships and goals	In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, devises and enacts a plan to apply mathematics in solving problems arising in everyday life, society and the workplace by: • using stated assumptions and making assumptions and approximations to simplify a realworld situation (includes micromodels) • mapping relationships between important quantities • selecting appropriate tools to create models • analyzing relationships mathematically between important quantities to draw conclusions • interpreting mathematical results in the context of the situation	In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, devises and enacts a plan to apply mathematics in solving problems arising in everyday life, society and the workplace by: • using stated assumptions and approximations to simplify a realworld situation • illustrating relationships between • important quantities • using provided tools to create models • analyzing relationships mathematically between important quantities to draw conclusions • interpreting mathematical results in a simplified context • reflecting on whether the results make sense	In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, devises a plan to apply mathematics in solving problems arising in everyday life, society and the workplace by: using stated assumptions and approximations to simplify a realworld situation identifying important quantities using provided tools to create models analyzing relationships mathematically to draw conclusions writing an algebraic expression or equation to describe a situation applying proportional reasoning and percentages applying commongeometric principles and theorems	
 interpreting mathematical results in the context of the situation 	 reflecting on whether the results make sense 	 modifying the model if it has not served its purpose 	 using functions to describe how one quantity of interest depends on another 	

Geometry: Modeling (Sub-Claim D)

In connection with content, the student solves real-world problems with a degree of difficulty appropriate to the grade/course by applying knowledge and skills articulated in the standards for the current grade/course (or for more complex problems, knowledge and skills articulated in the standards for previous grades/courses), engaging particularly in the Modeling practice, and where helpful making sense of problems and persevering to solve them, reasoning abstractly, and quantitatively, using appropriate tools strategically, looking for the making use of structure and/or looking for and expressing regularity in repeated reasoning.

making use of structure and/or fooking for and expressing regularity in repeated reasoning.				
Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations	
 reflecting on whether the results make sense improving the model if it has not served its purpose writing a complete, clear and correct algebraic expression or equation to describe a situation applying proportional reasoning and percentages justifying and defending models which lead to a conclusion applying geometric principles and theorems writing and using functions in any form to describe how one quantity of interest depends on another using reasonable estimates of known quantities in a chain of reasoning that yields an estimate of an unknown quantity 	 improving the model if it has not served its purpose writing a complete, clear and correct algebraic expression or equation to describe a situation applying proportional reasoning and percentages applying geometric principles and theorems writing and using functions in any form to describe how one quantity of interest depends on another using reasonable estimates of known quantities in a chain of reasoning that yields an estimate of an unknown quantity 	 writing an algebraic expression or equation to describe a situation applying proportional reasoning and percentages applying geometric principles and theorems writing and using functions to describe how one quantity of interest depends on another using reasonable estimates of known quantities in a chain of reasoning that yields an estimate of an unknown quantity 	using estimates of known quantities in a chain of reasoning that yields an estimate of an unknown quantity	

Algebra II: Content (Sub-Claim A) The student solves problems involving the Major Content for the grade/course with connections to the Standards for Mathematical Practice.				
Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations	
Equivalent Expressions: N-RN.2 A.Int	1, A-REI.2, A-SSE.2-3, A-SSE.2-6, A-SS	E.3c-2		
Uses mathematical properties and structure of polynomial, exponential, rational and radical expressions to create equivalent expressions that aid in solving mathematical and contextual problems.	Uses mathematical properties and structure of polynomial, exponential and rational expressions to create equivalent expressions.	Uses provided mathematical properties and structure of polynomial and exponential expressions to create equivalent expressions.	Uses provided mathematical properties and structure of exponential expressions to identify equivalent expressions.	
Rewrites exponential expressions to reveal quantities of interest that may be useful.	Rewrites exponential expressions to reveal quantities of interest that may be useful.			
Interpreting Functions: A-APR.2, A-RE	il.11-2, F-IF.4-2, F.Int.1-2			
Uses mathematical properties and relationships to reveal key features of polynomial, exponential, rational, trigonometric and logarithmic functions, using them to sketch graphs and identify characteristics of the relationship between two quantities, and applying the remainder theorem where appropriate.	Interprets key features of graphs and tables, and uses mathematical properties and relationships to reveal key features of polynomial, exponential and rational functions, using them to sketch graphs.	Uses provided mathematical properties and relationships to reveal key features of polynomial and exponential functions, using them to sketch graphs.	Given a graph of a polynomial or exponential function, identifies key features.	
Rate of Change: F-IF.6-2, F-IF.6-				
Calculates and interprets the average rate of change of polynomial, exponential, logarithmic or trigonometric functions (presented symbolically or as a table) over a specified interval, and	Calculates the average rate of change of polynomial and exponential functions (presented symbolically or as a table) over a specified interval, and estimates the rate of change from a graph.	Calculates the average rate of change of polynomial and exponential functions (presented symbolically or as a table) over a specified interval.	Calculates the average rate of change of polynomial and exponential functions (presented as a table) over a specified interval.	

Algebra II: Content (Sub-Claim A) The student solves problems involving the Major Content for the grade/course with connections to the Standards for Mathematical Practice.				
Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations	
estimates the rate of change from a graph.				
Compares rates of change associated with different intervals.				
Building Functions: A-SSE.4-2, F-BF.18	o-1, F-BF.2 F.Int.1-2			
Builds functions that model mathematical and contextual situations, including those requiring trigonometric functions, sequences and combinations of these and other functions, and uses the models to solve, interpret and generalize about problems.	Builds functions that model mathematical and contextual situations, including those requiring trigonometric functions, sequences and combinations of these and other functions, and uses the models to solve and interpret problems.	Builds functions that model mathematical and contextual situations, limited to those requiring arithmetic and geometric sequences, and uses the models to solve and interpret problems.	Identifies functions that model mathematical and contextual situations, limited to those requiring arithmetic and geometric sequences.	
Statistics & Probability: S-IC.3-1				
Determines why a sample survey, experiment or observational study is most appropriate.	Determines whether a sample survey, experiment or observational study is most appropriate.	Identifies whether a given scenario represents a sample survey, experiment or observational study.	Identifies characteristics of a sample survey, experiment or observational study.	
Given an inappropriate choice of a sample survey, experiment or observational study, identifies and supports the appropriate choice. Determines how to change the scenario to make the choice appropriate.				

Algebra II: Content (Sub-Claim B) The student solves problems involving the Additional and Supporting Content for the grade/course with connections to the Standards for Mathematical Practice. Partially or Does Not Yet Meet **Exceeds Expectations Meets Expectations Approaches Expectations Expectations** Interpreting Functions: F-IF.7c, F-IF.7e-1, F-IF.7e-2, F-IF.8b, F-IF.9-2, F-Int.1-2 Given multiple functions in different Given functions represented Given functions represented Given functions represented forms (algebraically, graphically, algebraically, graphically, numerically algebraically, graphically, numerically algebraically, graphically, numerically numerically and by verbal and by verbal description, writes and by verbal description, writes and by verbal description, identifies description), writes multiple multiple equivalent versions of the equivalent versions of the functions, key features of the functions. equivalent versions of the functions, functions and identifies key and identifies key features. and identifies and compares key features. features. Graphs exponential, polynomial, Graphs exponential and polynomial Graphs polynomial functions, showing trigonometric, and logarithmic functions, showing key features. key features. functions, showing key features. Equivalent Expressions: N-CN.1, N-CN.2 A-APR.6 Uses commutative, associative and Uses commutative, associative and Uses commutative and associative Uses commutative and associative distributive properties to perform distributive properties to perform properties to add and subtract properties to add and subtract operations with complex numbers. operations with complex numbers. complex numbers and multiply a complex numbers. complex number by a real number. Rewrites simple rational expressions Rewrites simple rational expressions using inspection or long division. using inspection. Function Transformations: F-BF.3-2, F-BF.3-3, F-BF.3-5 Identifies the effects of multiple Identifies the effects of a single Identifies the effects of a single Identifies the effects of a single transformation on graphs of transformation on graphs of transformations on graphs of transformation on graphs of polynomial, exponential, logarithmic polynomial, exponential, logarithmic polynomial and exponential functions polynomial, exponential, logarithmic and trigonometric function and trigonometric functions - limited and trigonometric functions, and - limited to f(x)+k. determines if the resulting function including f(x)+k, kf(x), f(kx), and to f(x)+k and kf(x) - and determines if is even or odd. f(x+k) – and determines if the the resulting function is even or odd. resulting function is even or odd.

Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations
Trigonometry: F-TF.1, F-TF.8-2			
Given a trigonometric value and quadrant for an angle, utilizes the structure and relationships of trigonometry, including relationships in the unit circle, to identify other trigonometric values for that angle, and describes the relationship between the radian measure and the subtended arc in the circle.	in the unit circle, to identify other trigonometric values for that angle.	Given a trigonometric value and quadrant for an angle, utilizes the structure and relationships of trigonometry to identify other trigonometric values for that angle.	Given a trigonometric value for an angle in quadrant 1, utilizes the structure and relationships of trigonometry to identify other trigonometric values for that angle.
Solving Equations and Systems: N-CN	N.7, A-REI.4b-2, A-REI.6-2, A-REI.7, F-I	nt.3, F-BF.Int.2 F-LE.2-3 HS-Int.3-3	
Solves multi-step contextual word problems involving linear, exponential, quadratic (with real or complex solutions) and trigonometric equations and systems of equations, using inverses where appropriate.	Solves problems involving linear, exponential, quadratic (with real or complex solutions) and trigonometric equations and systems of equations, using inverses where appropriate.	Solves problems involving linear, exponential and quadratic (with real solutions) equations and systems of equations, using inverses where appropriate.	Solves problems involving linear, exponential and quadratic (with real solutions) equations.
Constructs linear and exponential function models in multi-step contextual problems.	Constructs linear and exponential function models in multi-step contextual problems with mathematical prompting.	Constructs linear and exponential function models in multi-step contextual problems with mathematical prompting.	Constructs linear function models in multi-step contextual problems with mathematical prompting.
Data – Univariate and Bivariate: S-ID.4,	, S-ID.6a-1, S-ID.6a-2		
Uses the means and standard deviations of data sets to fit them to normal distributions.	Uses the means and standard deviations of data sets to fit them to normal distributions.	Uses the means and standard deviations of data sets to fit them to normal distributions.	Identifies the mean and standard deviation of a given normal distribution.

Algebra II: Content (Sub-Claim B)

The student solves problems involving the Additional and Supporting Content for the grade/course with connections to the Standards for Mathematical Practice.

Mathematical Practice.				
Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations	
Fits exponential and trigonometric functions to data in order to solve multi- step contextual problems.	Fits exponential functions to data in order to solve multi- step contextual problems.	Uses fitted exponential functions to solve multi-step contextual problems.		
Determines when models fitted to data are inappropriate.				
Inference: S-IC.2, S-IC.Int.1				
Uses sample data to make, justify, and critique inferences and conclusions about the corresponding population.	Uses sample data to make inferences about the corresponding population.	Identifies when sample data can be used to make inferences about the corresponding population.	Identifies when sample data can be used to make inferences about the corresponding population.	
Decides if specified models are consistent with results from given data-generating processes.				
Probability: S-CP.Int.1				
Recognizes, determines and uses conditional probability and independence in multi-step contextual problems, using appropriate set language and appropriate representations, including two-way frequency tables.	Recognizes, determines and uses conditional probability and independence in contextual problems, using appropriate set language and appropriate representations, including two- way frequency tables.	Recognizes and determines conditional probability and independence in contextual problems.	Recognizes and determines independence in contextual problems.	
Applies the Addition Rule of probability.				

Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Med Expectations
Reasoning: HS.C.3.1,HS.C.3.2, HS.C.4. HS.C.17.2, HS.C.17.3, HS.C.17.4, HS.C.	1, HS.C.5.4, HS.C.5.11, HS.C.6.2, HS.C.6. 17.5, HS.C.18.4, HS.C.CCR	4, HS.C.7.1, HS.C.8.2, HS.C.8.3, HS.C.9.2	, HS.C.11.1, HS.C.12.2, HS.C.16.3,
In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, the student clearly constructs and communicates a complete response based on: • a response to a given equation or system of equations • a chain of reasoning to justify or refute algebraic, function or number system propositions or conjectures • a response based on data • a response based on the graph of an equation in two variables, the principle that a graph is a solution set or the relationship between zeros and factors of polynomials • a response based on trigonometric functions and the	In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, the student clearly constructs and communicates a response based on: • a response to a given equation or system of equations • a chain of reasoning to justify or refute algebraic, function or number system propositions or conjectures, • a response based on data • a response based on the graph of an equation in two variables, the principle that a graph is a solution set or the relationship between zeros and factors of polynomials • a response based on trigonometric functions and the unit circle	In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, the student constructs and communicates a partial response based on: • a response to a given equation or system of equations • a chain of reasoning to justify or refute algebraic, function or number system propositions or conjectures • a response based on data • a response based on the graph of an equation in two variables, the principle that a graph is a solution set or the relationship between zeros and factors of polynomials • a response based on trigonometric functions and the	In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, student constructs and communicates an incomplete response based on: • a response to a given equation system of equations • a chain of reasoning to justify refute algebraic, function or number system propositions of conjectures • a response based on data • a response based on the graph an equation in two variables, the principle that a graph is a solution set or the relationship between zeros and factors of polynomia. • a response based on trigonometric functions and the strength of

OR

• a response based on properties of exponents by:

transformations of functions

• a response based on

• a response based on properties of exponents by:

transformations of functions

OR

o using a logical approach based on a conjecture and/or stated

• a response based on transformations of functions

OR

• a response based on properties of exponents by:

ontent oilities A and B, the plete

Yet Meet

- equation or
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- data
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- ns and the
- a response based on transformations of functions

OR

• a response based on properties of exponents by:

Algebra II: Reasoning (Sub-Claim C)

In connection with content, the student expresses grade/course-level appropriate mathematical reasoning by constructing viable arguments, critiquing the reasoning of others and/or attending to precision when making mathematical statement.

arguments, critiquing the reasoning of others and/or attending to precision when making mathematical statement.			
Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations
 using a logical approach based on a conjecture and/or stated assumptions, utilizing mathematical connections (when appropriate) providing an efficient and logical progression of steps or chain of reasoning with appropriate justification performing precise calculations using correct grade- level vocabulary, symbols and labels providing a justification of a conclusion determining whether an argument or conclusion is generalizable evaluating, interpreting and critiquing the validity of others' responses, approaches and reasoning – utilizing mathematical connections (when appropriate) – and providing a counter-example where applicable 	assumptions, utilizing mathematical connections (when appropriate) providing a logical progression of steps or chain of reasoning with appropriate justification performing precise calculations using correct grade- level vocabulary, symbols and labels providing a justification of a conclusion evaluating, interpreting and critiquing the validity of others' responses, approaches and reasoning — utilizing mathematical connections (when appropriate)	 using a logical approach based on a conjecture and/or stated assumptions providing a logical, but incomplete, progression of steps or chain of reasoning performing minor calculation errors using some grade-level vocabulary, symbols and labels providing a partial justification of a conclusion based on own calculations evaluating the validity of others' approaches and conclusions. 	 using an approach based on a conjecture and/or stated or faulty assumptions providing an incomplete or illogical progression of steps or chain of reasoning making an intrusive calculation error using limited grade-level vocabulary, symbols and labels providing a partial justification of a conclusion based on own calculations

Algebra II: Modeling (Sub-Claim D)

In connection with content, the student solves real-world problems with a degree of difficulty appropriate to the grade/course by applying knowledge and skills articulated in the standards for the current grade/course (or for more complex problems, knowledge and skills articulated in the standards for previous grades/courses), engaging particularly in the Modeling practice, and where helpful making sense of problems and persevering to solve them, reasoning abstractly, and quantitatively, using appropriate tools strategically, looking for the making use of structure and/or looking for and expressing regularity in repeated reasoning

making use of structure and/or looking for and expressing regularity in repeated reasoning			
Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations
Modeling: HS.D.2-4, HS.D.2-7, HS.D.2	2-10, HS.D.2-13, HS.D.3-5, HS.D.3-6 HS	S.D.CCR	
In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, devises a plan to apply mathematics in solving problems arising in everyday life, society and the workplace by: • using stated assumptions and	In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, devises a plan to apply mathematics in solving problems arising in everyday life, society and the workplace by: • using stated assumptions and approximations to simplify a	In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, devises a plan to apply mathematics in solving problems arising in everyday life, society and the workplace by: • using stated assumptions and	In connection with the content knowledge, skills, and abilities described in Sub-claims A and B, devises a plan to apply mathematics in solving problems arising in everyday life, society and the workplace by: • using stated assumptions and approximations to simplify a
 approximations to simplify a real-world situation mapping relationship between important quantities selecting appropriate tools to create the appropriate model analyzing relationships mathematically between important quantities (either given 	 approximations to simplify a real-world situation mapping relationships between important quantities selecting appropriate tools to create the appropriate model analyzing relationships mathematically between important quantities (either 	 approximations to simplify a real- world situation illustrating relationships between important quantities using provided tools to create appropriate but inaccurate model analyzing relationships mathematically between 	 approximations to simplify a real-world situation identifying important given quantities using provided tools to create inaccurate model analyzing relationships mathematically to draw conclusions
 or created) to draw conclusion interpreting mathematical results in the context of the situation reflecting on whether the results make sense improving the model if it has not served its purpose 	given or created) to draw conclusions interpreting mathematical results in the context of the situation reflecting on whether the results make sense	 important given quantities to draw conclusions interpreting mathematical results in a simplified context reflecting on whether the results make sense modifying the model if it has not served its purpose 	 writing an expression, equation or function to describe a situation using securely held content incompletely reporting a conclusion, with some inaccuracy within the reporting

Algebra II: Modeling (Sub-Claim D)

In connection with content, the student solves real-world problems with a degree of difficulty appropriate to the grade/course by applying knowledge and skills articulated in the standards for the current grade/course (or for more complex problems, knowledge and skills articulated in the standards for previous grades/courses), engaging particularly in the Modeling practice, and where helpful making sense of problems and persevering to solve them, reasoning abstractly, and quantitatively, using appropriate tools strategically, looking for the making use of structure and/or looking for and expressing regularity in repeated reasoning

Exceeds Expectations	Meets Expectations	Approaches Expectations	Partially or Does Not Yet Meet Expectations
 writing a complete, clear and correct expression, equation or function to describe a situation analyzing and/or creating constraints, relationships and goals justifying and defending models which lead to a conclusion using geometry to solve design problems using securely held content 	 improving the model if it has not served its purpose writing a complete, clear and correct expression, equation or function to describe a situation using geometry to solve design problems using securely held content, briefly, but accurately reporting the conclusion identifying and using relevant 	 writing an expression, equation or function to describe a situation using geometry to solve design problems using securely held content, incompletely reporting a conclusion selecting and using some relevant data from a data source making an evaluation or 	 indiscriminately using data from a data source using securely held content incompletely reporting a conclusion, with some inaccuracy within the reporting indiscriminately using data from a data source
 using securely held content, accurately reporting and justifying the conclusion identifying and using relevant data from a data source making an appropriate evaluation or recommendation 	 identifying and using relevant data from a data source making an appropriate evaluation or recommendation 	 making an evaluation or recommendation 	