Major Work of Math I Standards for Assessment

High School CC Math I Standards for Assessment	
Maior Clusters	Supporting/Additional Clusters
The Real Number System	Arithmetic with Polynomials and
• Extend the properties of exponents to	Rational Expressions
rational exponents.	Perform arithmetic operations on
	polynomials
Quantities	
Reason quantitatively and use units to	Reasoning with Equations and
solve problems.	Inequalities
Seeing Structure in Expressions	 Solve equations and inequalities in one variable.
 Interpret the structure of expressions 	 Solve systems of equations.
 Write expressions in equivalent forms 	, .
to solve problems.	Building Functions
	Build new functions from existing
Creating Equations	functions.
Create equations that describe	
numbers or relationships.	Congruence
	 Experiment with transformations in the plane.
Reasoning with Equations and	
Inequalities	Geometric Measurement and
 Understand solving equations as a 	Dimension
process of reasoning and explain the reasoning.	 Explain volume formulas and use them to solve problems.
Represent and solve equations and	
inequalities graphically	Interpreting Categorical and
	Quantitative Data
Interpreting Functions	Interpret linear models.
 Understand the concept of a function 	
and use function notation.	
 Interpret functions that arise in 	
applications in terms of the context.	

 Analyze functions using different 	
representations.	
Building Functions	
Build a function that models a	
relationship between two quantities.	
Linear, Quadratic, and Exponential	
Models	
Construct and compare linear and	
exponential models and solve	
problems.	
• Interpret expressions for functions in	
terms of the situation they model.	
Expressing Geometric Properties with	
Equations	
• Use coordinates to prove simple	
geometric theorems algebraically.	
Interpreting Categorical and	
Quantitative Data	
• Summarize, represent, and interpret	
data on a single count or measurement	
variable.	
• Summarize, represent, and interpret	
data on two categorical and	
quantitative variables.	