Algebra I—PLDs			
Below Basic	Basic	Proficient	Advanced
An Algebra I student performing at this level demonstrates limited understanding of the concepts and ineffective application of the mathematical skills in Algebra I.	An Algebra I student performing at this level solves simple or routine problems by applying skills and procedures in Algebra I.	An Algebra I student performing at this level solves practical and real-world problems and demonstrates understanding of the skills, concepts, and procedures in Algebra I.	An Algebra I student performing at this level solves complex problems and demonstrates in-depth understanding of the skills, concepts, and procedures in Algebra I.
	A student performing at the Basic Level:	A student performing at the Proficient Level:	A student performing at the Advanced Level:
	Orders and simplifies real numbers.	Orders and simplifies real numbers written as expressions.	Uses estimations to make predictions in problem-
	Identifies multiple representations of rational numbers.	Uses multiple representations of real numbers.	 solving situations. Performs multistep operations on and simplifies polynomial expressions. Simplifies rational polynomial expressions. Solves and graphs absolute value inequalities. Uses and identifies properties to justify steps in equation-solving processes. Writes and solves systems of equations in problem-solving situations, and interprets the results. Writes, solves, and graphs systems of linear inequalities in problem-solving situations, and interprets the results. Recognizes functions, and identifies the domains
	Evaluates expressions with exponents, roots, or absolute values.	 Uses properties of exponents to simplify terms. Uses estimations in problem-solving situations.	
	• Simplifies expressions using non-negative exponential values.	Performs operations on and simplifies polynomial expressions	
	 Performs operations on and simplifies polynomial expressions (up to monomials multiplied by trinomials). 	(up to binomials multiplied by binomials).	
	Factors polynomial expressions with no more than two	• Factors polynomial expressions.	
	factors.	• Solves and graphs multistep linear equations or inequalities, and absolute value equations.	
DRAFT	 Solves and graphs multistep linear equations or inequalities with integer coefficients and constants. 	 Writes, solves, graphs, and interprets linear equations and inequalities in problem-solving situations. 	
	Solves and graphs linear equations and inequalities.	Solves systems of equations.	
June	 Identifies the solutions of systems of equations and inequalities. 	• Interprets graphical representations of systems of two linear inequalities.	
	Solves systems of equations by graphing.	Interprets solutions to problem-solving situations.	and ranges of relations given in graphs, ordered pairs, and tables.
These Proficiency Level Descriptors are currently in	Identifies the domains and ranges of relations given in ordered pairs and tables.	 Recognizes functions and identifies the domains and ranges of relations given in ordered pairs and tables. 	 Interprets, describes, computes, and/or uses the rates of change (slopes) of lines.
	 Graphs linear functions given equations, sets of ordered pairs, or tables. 	 Converts between multiple representations of linear functions. Describes, computes, and/or uses the rates of change (slopes) of intercepts of lines. 	
draft form. These	• Identifies and computes the rates of change (slopes) of lines.	lines.	Creates standard forms of linear equations when
descriptors will become finalized	 Identifies and computes the <i>y</i>-intercepts of lines. Creates slope-intercept forms of linear equations when given 	• Describes, computes, and/or uses the <i>y</i> -intercepts of lines.	given the graph, two points, or the slope and a
during the	the graph or the slope and the y-intercept of lines.	• Creates slope-intercept or point-slope forms of linear equations when given the graph, two points, or the slope and a point.	point.
Standards Setting	Creates point-slope forms of linear equations when given the	 Identifies the equations for lines of best fit for scatter plots. 	 Writes the equations for lines of best fit for scatter plots and makes predictions.
process after the 2011 Spring test	graph or the slope and a point.	Makes predictions from lines of best fit for scatter plots.	 Calculates and interprets the ranges, quartiles, and
administration.	Draws and identifies lines of best fit for scatter plots.	Calculates the ranges, quartiles, and interquartile ranges given	interquartile ranges given data or data displays.
	Identifies and finds the ranges, quartiles, and interquartile ranges given a box and whicker plot	data or data displays.	Analyzes data, makes predictions, and answers
	ranges given a box-and-whisker plot.Answers questions based on displayed data.	Analyzes data, makes predictions, and answers questions based and displayed data.	questions based on multiple displays of data.
	Finds probabilities for compound events with replacement.	on displayed data.Finds probabilities for compound events.	
	, ,	- Timus probabilities for compound events.	