Algebra 1CP Semester 1 Concept Guide

Foundations of Algebra	
Use the distributive property t	nathematical expressions? praic expressions by using the order of operations? to evaluate and/or simplify algebraic expressions? putative and associative properties to simplify algebraic ers?
Solving Equations	
Can you ☐ Translate verbal sentences in ☐ Translate equations into verbal ☐ Solve equations using additio ☐ Solve equations using multiple ☐ Solve equations involving moderal solve consecutive integer produced solve equations with the varial solve equations involving group Determine whether two ratios Solve proportions? ☐ Solve equations for given variations.	al sentences? n and subtraction? ication and division? re than one operation? blems? able on each side? uping symbols? form a proportion?
Inequalities Can you Solve and graph inequalities to Solve and graph inequalities to Solve and graph compound in	using multiplication and division?
Functions and Relations Can you Represent relations as sets of Find the inverse of a relation? Determine whether a relation Find functional values? f(x)	

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∃raphi	ng Linear Equations
Can yo	
	Write an equation of a line given two points on the line? Write the equation of a line in point-slope form? Write linear equations in different forms? Interpret points on a scatter plot? Use lines of fit to make and evaluate predictions?
	ns of Equations
	Write an equation of the line that passes through a given point, parallel to a given line? Write an equation of the line that passes through a given point, perpendicular to a given line? Determine whether a system of linear equations has no, one, or infinitely many solutions? Solve systems of equations by graphing? Solve systems of equations by using substitution? Solve systems of equations by using elimination? Solve systems of equations by using elimination with multiplication? Determine the best method for solving systems of equations? Solve real-world problems involving systems of equations?
Can yo	ute Value and Graphing Inequalities u Solve absolute value equations? Solve and graph absolute value inequalities?
	Graph inequalities in two variables? Graph a system of inequalities in two variables? Determine the solution set of a system of inequalities?