	Common Core State Standards for Ma	athematics
	Domain: Reasoning with Equations and	Inequalities
	Systems of Equations (A-REI.5	i-9)
	High School	
Score 4.0	In addition to Score 3.0, in-depth inferences and applications that go beyond	Example Activities
	instruction to the standard. The student will:	Students are provided with equations in three variables. Students
	find the inverse of a matrix if it exists and use it to solve systems of linear	work individually to correctly represent the equations in Matrix
	equations (A-REI.9)	form. The teacher should conduct a formative check and provide
	solve systems of equations in three variables. (A-REI.7)	immediate, specific feedback to the students before requiring
	solve systems of equations in three variables using matrices (A-REI.9)	students to solve. Once the students have correctly represented the
		equations as matrices, the students use technology to determine the
		solution of the matrix with three variables. The teacher should conduct a formative check and provide immediate, specific feedback
		to the students before requiring students to solve.
		Finally, for each system solved, the student must interpret the
		meaning of the solution within the context of the system.
	3.5 In addition to score 3.0 performance, in-depth inferences and applications with partial success.	
Score 3.0	The student will:	Students are placed in groups of three. Each student is assigned a
	prove that, given a system of two equations in two variables, replacing one	role {graphical, tabular or algebraic} and are given multiple sets of
	equation by the sum of that equation and a multiple of the other produces a	quadratic/linear equations in equation form. Each student must use
	system with the same solutions. (A-REI.5)	their assigned method to determine the solution for each set. The
	solve a simple system consisting of a linear equation and a quadratic equation in	students are to ensure agreement within the group as to the correct
	two variables algebraically and graphically (A-REI.7)	solutions for each set. The teacher should not provide solutions to
	represent a system of linear equations as a single matrix equation in a vector	individual students, students should be required to confer and
	variable (A-REI.8)	collaborate within their group until all students agree upon the same
		solutions for each set of equations. Once students agree then all three representations for each set will be submitted to the teacher
	The student exhibits no major errors or omissions.	as a formative check the teacher will then provide immediate,
		specific, constructive feedback to each group regarding the accuracy
		of their solutions.
	2.5 No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content	
Score 2.0	There are no major errors or omissions regarding the simpler details and processes	Retrieval – Recognizing
	as the student will:	
	recognize or recall specific vocabulary, such as:	Students are seated in such a way that they can work individually
	o system of equations	and so that the teacher can see all students as they work. Teacher
	perform basic processes, such as:	displays graphs or equations of linear systems in two variables one at
	o solve systems of linear equations (focusing on pairs of linear equations	a time. The students are required to determine the solution to the
	in two variables) exactly and approximately (e.g., with graphs) (A-REI.6)	systems (approximately for the graphs and exactly for the
	However the student cubibite major every an arrival and according the grant	equations). Each student is to record the solution on an individual white board and display the solution to the teacher. The teacher
	However, the student exhibits major errors or omissions regarding the more	provides immediate, specific, verbal feedback as to the accuracy of
	complex ideas and processes.	each solution for each student. This process is repeated for each set
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		of graphs or equations provided by the teacher.

	1.5	Partial knowledge of the 2.0 content but major errors or omissions regarding the 3.0 content	
Score 1.0	With help, a partial understanding of some of the simpler details and processes and some of the more		
	comple	complex ideas and processes.	
	0.5	With help, a partial understanding of the 2.0 content but not the 3.0 content	
Score 0.0	Even with help, no understanding or skill demonstrated.		