

HOMEWORK 1

#	Question ID	Objective	
1	1.1.2	Use elementary row operations to solve systems of linear equations.	
2	1.1.3	Use elementary row operations to solve systems of linear equations.	
3	1.1.7	Use elementary row operations to solve systems of linear equations.	
4	1.1.11	Use elementary row operations to solve systems of linear equations.	
5	1.1.15	Determine if a system of linear equations is consistent.	
6	1.1.18	Determine if a system of linear equations is consistent.	
7	1.1.19	Find values to complete the augmented matrix or the equations of a consistent system.	
8	1.1.24	Demonstrate understanding of definitions and theorems about the row reduction of matrices.	
9	1.1.23	Demonstrate understanding of definitions and theorems about the row reduction of matrices.	

HOMEWORK 2

#	Question ID	Objective	
1	1.2.2	Recognize and write matrices in row echelon and reduced row echelon forms.	
2	1.2.3	Recognize and write matrices in row echelon and reduced row echelon forms.	
3	1.2.7	Find the general solution to a system with a given augmented matrix.	
4	1.2.11	Find the general solution to a system with a given augmented matrix.	
5	1.2.14	Find the general solution to a system with a given augmented matrix.	
6	1.2.15	Characterize the augmented matrix values that result in a consistent or inconsistent system.	
7	1.2.18	Characterize the augmented matrix values that result in a consistent or inconsistent system.	
8	1.2.19	Characterize the augmented matrix values that result in a consistent or inconsistent system.	
9	1.2.21	Demonstrate understanding of the relationship between the consistency of a system and its matrix.	

HOMEWORK 3

#	Question ID	Objective	
1	1.3.5	Convert between vector equations and systems of equations.	
2	1.3.7	Compute sums and scalar products of vectors, both algebraically and geometrically.	
3	1.3.9	Convert between vector equations and systems of equations.	
4	1.3.11	Determine if a vector is a linear combination of other vectors.	
5	1.3.13	Determine if a vector is a linear combination of other vectors.	
6	1.3.17	Characterize the span of a set of vectors algebraically or geometrically.	
7	1.3.19	Characterize the span of a set of vectors algebraically or geometrically.	
8	1.3.22	Characterize the span of a set of vectors algebraically or geometrically.	