HOMEWORK 4

#	Question ID	Objective
1	1.4.3	Compute the product of a matrix and a vector.
2	1.4.9	Convert between matrix equations, vector equations, and systems of equations.
3	1.4.11	Solve matrix equations using augmented matrices.
4	1.4.13	Characterize the span of the column vectors of a matrix.
5	1.4.15	Determine whether a matrix equation has no solution, one solution, or many solutions.
6	1.4.19	Characterize the span of the column vectors of a matrix.
7	1.4.22	Characterize the span of the column vectors of a matrix.
8	1.4.23	Demonstrate understanding of theorems involving equations of the form Ax=b.

HOMEWORK 5

#	Question ID	Objective
1	1.5.1	Determine if a system of equations has a nontrivial solution.
2	1.5.5	Solve a system of equations or a matrix equation and write the solution in parametric form.
3	1.5.10	Solve a system of equations or a matrix equation and write the solution in parametric form.
4	1.5.15	Solve a system of equations or a matrix equation and write the solution in parametric form.
5	1.5.22	Find the parametric equation of a line.
6	1.5.23	Demonstrate understanding of concepts relating to solution sets of linear systems.
7	1.5.26	Demonstrate understanding of concepts relating to solution sets of linear systems.
8	1.5.30	Relate the number of pivots in a matrix to the number of solutions of the linear system.