

# HOMEWORK 12

#	Question ID	Objective
1	2.9.5	Find a coordinate vector in a subspace.
2	2.9.9	Find a basis of a subspace and determine the dimension.
3	2.9.12	Find a basis of a subspace and determine the dimension.
4	2.9.13	Find a basis of a subspace and determine the dimension.
5	2.9.15	Demonstrate understanding of concepts around dimension and rank.
6	2.9.18	Demonstrate understanding of concepts around dimension and rank.
7	2.9.19	Demonstrate understanding of concepts around dimension and rank.
8	2.9.21	Demonstrate understanding of concepts around dimension and rank.
9	2.9.23	Demonstrate understanding of concepts around dimension and rank.

## HOMEWORK 13

#	Question ID	Objective
1	3.1.1	Compute determinants of matrices using cofactor expansions.
2	3.1.7	Compute determinants of matrices using cofactor expansions.
3	3.1.9	Compute determinants of matrices using cofactor expansions.
4	3.1.13	Compute determinants of matrices using cofactor expansions.
5	3.1.16	Compute determinants of matrices using cofactor expansions.
6	3.1.17	Compute determinants of matrices using cofactor expansions.
7	3.1.19	Derive formulas related to the determinant of a matrix.
8	3.1.20	Derive formulas related to the determinant of a matrix.
9	3.1.23	Derive formulas related to the determinant of a matrix.