

Math 4133 - Linear Algebra

Quiz #10 - 2013.02.08

Solutions

1. Cramer's Rule involves the ratio of two determinants. More specifically, when looking for the solution to the k^{th} variable x_k we have

$$x_k = \frac{\det(A_{k,B})}{\det(A)}$$

What does $A_{k,B}$ represent?

The matrix $A_{k,B}$ is obtained by replacing column k of A by the column matrix B .