

Starred Theorems

for Math 210 Exam 1

1. A homogeneous system of linear equations with more unknowns than equations has infinitely many solutions.
2. If B and C are both inverses of A then $B = C$.
3. If A and B are invertible $n \times n$ matrices then AB is invertible and $(AB)^{-1} = B^{-1}A^{-1}$.
4. Let A and B be $n \times n$ matrices. If AB is invertible then so are A and B .