CSCI 2033 Exam 2:

Determinant rules:

Replacement row or column:

Interchange row or column:

Scaling row or column:

Determinant of a triangular matrix:

Determinant of 2x2 matrix:

Determinant of 3x3 matrix:

L U factorization and solving Ax=b

U = Upper triangular matrix that is in echelon form.

L= Lower triangular matrix that has the negative row replacement factors under identity diagonal.

Inverses: