MAT 240: 20161110

THE FOLLOWING MOVES TO NOT CHANGE THE SOUTHON SET OF THE SYSTEM OF GREENE ERUMNONS:

- O INTERCHANGING TWO GOVERNONS
- o within an equation by a non-zero sealor
- O ENDING EDIATION.

$$\begin{cases}
\sum_{j=1}^{n} A_{ij} = b_{i} \\
\sum_{j=1}^{n} A_{ij} = b_{in}
\end{cases}$$

$$\begin{cases}
A_{ii} ... A_{in} \\
\vdots \\
A_{ii} ... A_{in}
\end{cases}$$

$$\begin{cases}
A_{ii} ... A_{in} \\
\vdots \\
A_{in} ... A_{in}
\end{cases}$$

$$\begin{cases}
A_{ii} ... A_{in} \\
\vdots \\
A_{in} ... A_{in}
\end{cases}$$

$$\begin{cases}
A_{ii} ... A_{in} \\
\vdots \\
A_{in} ... A_{in}
\end{cases}$$

Conversion of some word

$$\begin{bmatrix} 1 & 0 & 0 & | & -124 \\ 0 & 1 & 6 & | & -37/21 \\ 0 & 0 & | & | & -37/21 \\ \end{bmatrix}$$

MORE ARMY GONGS EXMARTING LAREST

Two men A & Max a (F) and that A' 35
common them A an elementary now operation.

There A = PA where D & Man (F) is

AN INDERTISE MATRICE

WE PRO , P

13 OFTERMOND BY CONTROL

ROW OF ELEMENTS. TO THE TO GRATERO

EXAMPLES.

IDEA OF PROOF. COM CREATIONS CAN BE KEEDERS A

- O INTERCHANGING FIRE COMMI
- · MULTIPULING COLUMN BY NOW-VERO JEMES
- ADDING MUTTOLES OF OFFICEUMSIS TO

WEARMAG

EAR UNION BY FROM OF EQUATIONS THESE DO

REMANDE

A Viewers Est a count operator enough of the same sais of are common, when we want to the sais of are common, when we common toust tous sais of the sa

TUEOREM

A BY RN ELENGTIFICH

COUNT WEND

M- of Q, where Q & M men (Plis

INVENITIES, AND US CATERINED BY PLYDOUING
SOME COUMY OPERATION TO
THE IPENTITE MARK

RELANCE. READER (T) = DIM (R (T))

FUR A E MMEN (F), DEFINE

VERNE (A) = RANG OF THE CONNERTHANCE

CONSER MAD E - SEM.

THM: MOW AND COMMAN EPERDONS

BO NOT CHANGE THE RANG OF A

MIND SO CAN BE WED TO CHO

THE RANK OF A.