· Linus y=mx+b · more than I line: must intersect y=3x=7 (unless paralle(!) tof intersection System of eq. (y = 3x-7
y = -2x+5

Solving for xy gives prof
intersection (1) sub (2) esim (3) matrix row reduction 60AL 3 rules Lo1/97 1) Swap row ok

If apals

 $\begin{bmatrix} 12 & 5 \\ 34 & 6 \end{bmatrix}$ $\begin{bmatrix} 3 & 4 & 6 \\ 1 & 2 & 5 \end{bmatrix}$ 7) 1 in top 2) left corner 2) create a stair case (2) multiply (dividue rours w (non zero # [1215]R,4[4 8[20] [3416] -> [34[6] (3) add (subtrant row w/ another row $\begin{bmatrix}
1 & 2 & 3 & 0 \\
4 & 5 & 6 & 1
\end{bmatrix}$ $\begin{bmatrix}
7 & 8 & 9 & | 2
\end{bmatrix}$ $\begin{bmatrix}
7 & 8 & 9 & | 2
\end{bmatrix}$ $\begin{bmatrix}
7 & 8 & 9 & | 2
\end{bmatrix}$ Cramer's Rule uses determinants Converts ⇒ a sîngle # Square matrices

 $det(\begin{bmatrix} 2 & 0 & 7 \\ 2 & 3 & 5 \end{bmatrix}) = 6 - 0 = 6$ det() (()) = (-(-1=0 3x3 det det (a b c)
d e f)

g h i J 3 STEPS (1) copy & paste first 2 columns 2) Paste the 2 columns on right of matrix a b can 3 diagonal lines

drf= a.e.i + bfg + cdh -gec -ahf -bdi det 0 1000 = 3 + 0 + 0-0-5-5=(3)Crawler 5 rule on Mon