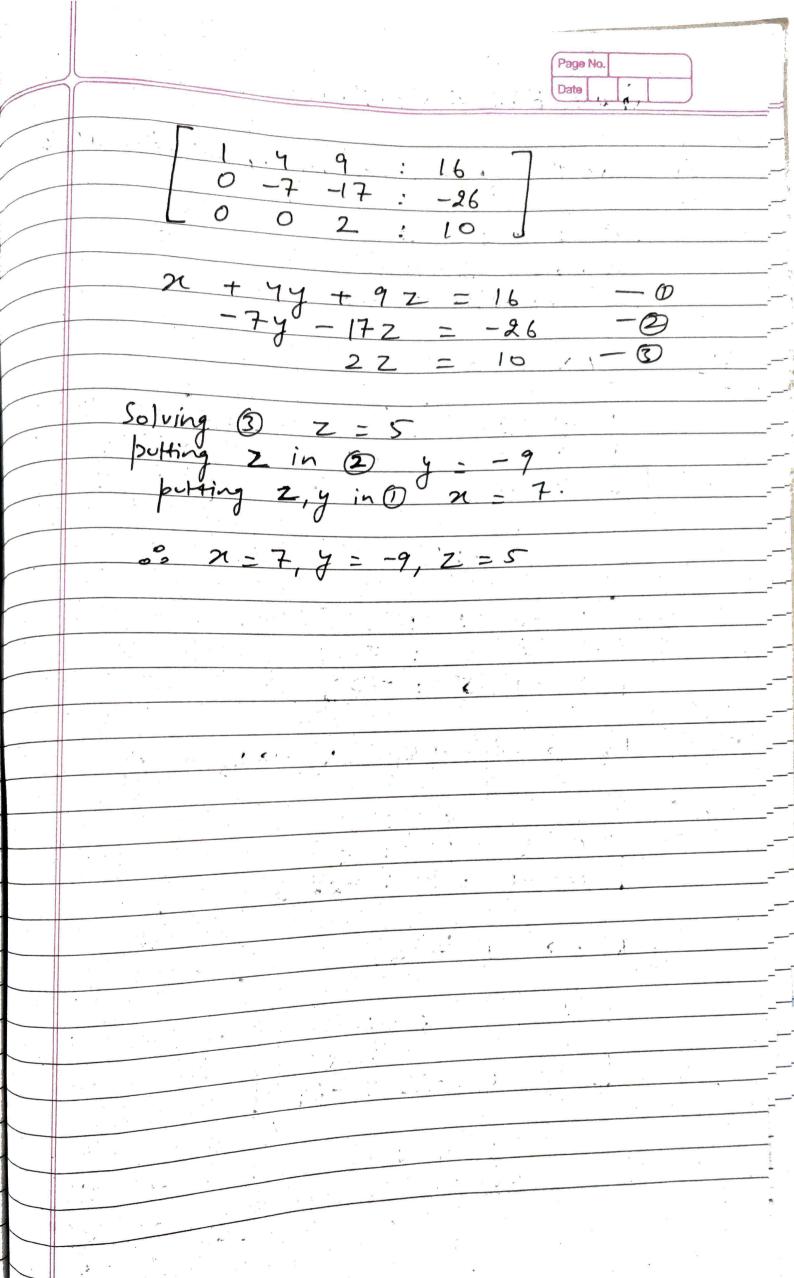


02 Solve the system of egn using Gaves Elimination Method [A:13] $R_3 \leftrightarrow R_1$, $R_2 \leftrightarrow R_3$ $\begin{bmatrix} 1 & 4 & 9 & 1 & 16 \\ 2 & 1 & 1 & 10 \\ 3 & 2 & 3 & 18 \end{bmatrix}$ $R_2 \rightarrow R_2 - 2R$, $R_3 \rightarrow R_3 - 3R$ 1 4 9: 16 0 -7 -17: -26 0 -10 -24: 30 R3 -> 7R3 - 10R2



D. Solve the equation using houss Elimination

 $\begin{bmatrix} 4n - 5y = -6 \\ 2n - 2y = 1 \end{bmatrix}$

[4 -5 : -6] 2 -2 : 1

R2 EX R,

A

 $\begin{bmatrix} 2 & -2 & : & 1 \\ 4 & -5 & : & -6 \end{bmatrix}$

R2 -> R2 - 2R,

2 -2 : 1

2x - 2y = 1 - 0 -y = 1 - 8 - 0

putting y = 8 in 1

x = 8.5 y = 8