Complete Solution

Complete Solution:

A is mxn. m\begin{bmatrix} 1 & 2 & 1 & 0 \\ 2 & 4 & 8 & 8 \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \\ x_3 \end{bmatrix} = \begin{bmatrix} 4 \\ 2 \\ 10 \end{bmatrix}

No Get RRZF from 0

[A|B] =)
$$\begin{bmatrix} 1 & 2 & 0 & -4 \\ 0 & 0 & 1 & 4 \\ 0 & 0 & 0 & 0 \end{bmatrix}$$

Cart System of equation

[X1+1X2 44x = 7

X3+1X4 = -3

3. Get X [in from 0] free variable

[X2+1X4 45x = -3]

[X3+1X4 = -3]

[Y2+1X4 45x = -3]

[Y3+1X4 35x = -3]

[Y4-1]

[Y4-1]