consider the equation of the system x - 7y = -5; 3x + y = 0 now forming matrix equation

$$AX = B$$

$$A = \left[\begin{array}{cc} 1 & -7 \\ 3 & 1 \end{array}\right] beafull-rank$$

 2×2 matrix. Then $\det A \equiv |A| = 1\times 1 - -3\times 7 = 21$ and

$$A^{-1} = \begin{bmatrix} 1 & -7 \\ 3 & 1 \end{bmatrix}^{-1} = \frac{1}{|21|} \begin{bmatrix} 1 & 7 \\ -3 & 1 \end{bmatrix}.$$

$$X = \left[\begin{array}{c} x \\ y \end{array} \right]$$
$$B = \left[\begin{array}{c} -5 \\ 0 \end{array} \right]$$

$$X = A^{-1}B$$

$$\left[\begin{array}{c} x \\ y \end{array}\right] = \frac{1}{|21|} \left[\begin{array}{cc} 1 & 7 \\ -3 & 1 \end{array}\right] \left[\begin{array}{c} -5 \\ 0 \end{array}\right]$$

$$\begin{bmatrix} x \\ y \end{bmatrix} = \begin{bmatrix} \frac{-5}{22} \\ \frac{15}{22} \end{bmatrix}$$
$$x = \begin{bmatrix} 1 & 0 \end{bmatrix} \begin{bmatrix} \frac{-5}{22} \\ \frac{15}{22} \end{bmatrix} = \frac{-5}{22}$$

the required equation of line parallel to y - axis ; $\vec{x} = \frac{-5}{22}$