

#24

$$\begin{aligned} x + 3y &= 5 \\ x + 4y &= 6 \end{aligned}$$

$$\left[\begin{array}{cc|c} 1 & 3 & 5 \\ 1 & 4 & 6 \end{array} \right]$$

$$\rightarrow \begin{array}{ccc} 1 & 3 & 5 \\ -1(1 & 4 & 6) \\ \hline 0 & -1 & -1 \end{array}$$

$$\left[\begin{array}{cc|c} 1 & 0 & x=? \\ 0 & 1 & y=? \end{array} \right]$$

$$\left[\begin{array}{cc|c} 1 & 3 & 5 \\ 0 & -1 & -1 \end{array} \right]$$

$$\rightarrow \begin{array}{ccc} 1 & 3 & 5 \\ 0 & -1 & -1 \\ -1(0 & -1 & -1) \end{array}$$

(2, 1)

$$\begin{aligned} X &= 2 \\ Y &= 1 \end{aligned}$$

$$\left[\begin{array}{cc|c} 1 & 3 & 5 \\ 0 & 1 & 1 \end{array} \right]$$

$$\rightarrow \begin{array}{ccc} 1 & 3 & 5 \\ -3(0 & 1 & 1) \\ \hline 1 & 0 & 2 \end{array}$$

$$\left[\begin{array}{cc|c} 1 & 0 & 2 \\ 0 & 1 & 1 \end{array} \right]$$

$$\rightarrow \begin{array}{ccc} 1 & 0 & 2 \end{array}$$