

$$\begin{cases} 2x + 5y = 3 \\ 3x - y = 5 \end{cases}$$

$$A = \begin{vmatrix} 2 & 5 \\ 3 & -1 \end{vmatrix} = -2 - 15 = -17$$

$$A_x = \begin{vmatrix} 3 & 5 \\ 5 & -1 \end{vmatrix} = -3 - 25 = -28$$

$$A_y = \begin{vmatrix} 2 & 3 \\ 3 & 5 \end{vmatrix} = 10 - 9 = 1$$

$$x = \frac{A_x}{A} = \frac{-28}{-17} = \frac{28}{17}$$

$$y = \frac{A_y}{A} = \frac{1}{-17}$$