

$A = B = C$ の連立方程式

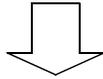

$$\begin{cases} A = C \\ B = C \end{cases} \quad \begin{cases} A = B \\ A = C \end{cases} \quad \begin{cases} A = B \\ B = C \end{cases}$$

問1

$$\begin{array}{ccc} A & B & C \\ 4x + y & = & 3x - y = -7 \end{array}$$

$$\Downarrow \begin{cases} A = C \\ B = C \end{cases}$$

$$\begin{cases} 4x + y = -7 \cdots \textcircled{1} \\ 3x - y = -7 \cdots \textcircled{2} \end{cases}$$



加減法で解いていく

問2

$$\begin{array}{ccc} A & B & C \\ x + y + 8 & = & 5x + y = 3x - y \end{array}$$

$$\Downarrow \begin{cases} A = B \\ B = C \end{cases}$$

$$\begin{cases} x + y + 8 = 5x + y \cdots \textcircled{1} \\ 5x + y = 3x - y \cdots \textcircled{2} \end{cases}$$

 $\square \circ x + \triangle y = \square$ に整理する!

$$\begin{cases} -4x = -8 \cdots \textcircled{1} \\ 2x + 2y = 0 \cdots \textcircled{2} \end{cases}$$

①から x を求める

$$-4x = -8$$

$$x = 2$$

 $x = 2$ を②の式に代入

$$2x + 2y = 0$$

$$2 \times 2 + 2y = 0$$

$$4 + 2y = 0$$

$$2y = -4$$

$$y = -2$$

$$x = 2, y = -2$$