

() 組 () 番 名前 ()

次の連立方程式を加減法で解きなさい。

$$(1) \begin{cases} 3x - 4y = -15 & \dots \textcircled{1} \\ 2x + 3y = 7 & \dots \textcircled{2} \end{cases}$$

$$\textcircled{1} \times 2 - \textcircled{2} \times 3$$

$$6x - 8y = -30$$

$$-) \underline{6x + 9y = 21}$$

$$-17y = -51$$

$$y = 3$$

$y = 3$ を $\textcircled{2}$ に代入すると

$$2x + 9 = 7$$

$$2x = -2$$

$$x = -1$$

$$(x, y) = (-1, 3)$$

$$(2) \begin{cases} 5x + 3y = 2 & \dots \textcircled{1} \\ 9x - 2y = 11 & \dots \textcircled{2} \end{cases}$$

$$\textcircled{1} \times 2 + \textcircled{2} \times 3$$

$$10x + 6y = 4$$

$$+) \underline{27x - 6y = 33}$$

$$37x = 37$$

$$x = 1$$

$x = 1$ を $\textcircled{1}$ に代入すると

$$5 + 3y = 2$$

$$3y = -3$$

$$y = -1$$

$$(x, y) = (1, -1)$$