

2年 P39 問2 「やってみましょう」

$$(1) \begin{cases} 6x - y = 22 \\ -) \quad 6x + 5y = -2 \end{cases}$$

$$\hline -6y = 24$$

$$y = -4$$

$$6x + 4 = 22$$

$$6x = 18$$

$$x = 3$$

$$(x, y) = (3, -4)$$

$$(2) \begin{cases} 3x - 2y = 19 \\ +) \quad 5x + 2y = 21 \end{cases}$$

$$\hline 8x = 40$$

$$x = 5$$

$$15 - 2y = 19$$

$$-2y = 4$$

$$y = -2$$

$$(x, y) = (5, -2)$$

$$(3) \begin{cases} x + y = 2 \\ +) \quad -x + y = -1 \end{cases}$$

$$\hline 2y = 1$$

$$y = \frac{1}{2}$$

$$x + \frac{1}{2} = 2$$

$$x = 2 - \frac{1}{2} = \frac{3}{2}$$

$$(x, y) = \left(\frac{1}{2}, \frac{3}{2} \right)$$

P 4 0 例 2

$$\begin{cases} x + 2y = 4 \cdots \cdots \textcircled{1} & \text{たしてもだめならひいてみな} \\ & \text{(一応やってみる)} \\ 2x + 3y = 5 \cdots \cdots \textcircled{2} & \text{でもダメです} \end{cases}$$

$$\textcircled{1} \times 2 \quad 2x + 4y = 8$$

$$\textcircled{2} \quad 2x + 3y = 5$$

①の両辺を二倍してみよう

$$\text{ひくと} \quad y = 3$$

たすべきかひくべきか

$$\textcircled{1} \text{に代入} \quad 2x + 6 = 4$$

$$x = -2$$

$$x = -2$$

$$(x, y) = (-2, 3)$$

問 3 「(1) は一緒にやってみましょう」

$$(1) \begin{cases} 2x - y = 4 \cdots \cdots \textcircled{1} \\ 5x + 3y = -1 \cdots \cdots \textcircled{2} \end{cases}$$

$$\textcircled{1} \times 3 \quad 6x - 3y = 12$$

$$\textcircled{2} \quad 5x + 3y = -1$$

$$\text{たすと} \quad 11x = 11$$

$$x = 1$$

$$\textcircled{2} \text{に代入} \quad 5 + 3y = -1$$

$$3y = -6$$

$$y = -2$$

$$(x, y) = (1, -2)$$

$$(2) \begin{cases} 7x + 15y = 36 \\ x + 4y = 7 \end{cases}$$

$$7x + 28y = 49$$

$$7x + 15y = 36$$

$$13y = 13$$

$$y = 1$$

$$x + 4 = 7$$

$$x = 3$$

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

$$(2) \begin{cases} 4x - 5y = -9 \\ x - 2y = 0 \end{cases}$$

$$4x - 8y = 0$$

$$4x - 5y = -9$$

$$-3y = 9$$

$$y = -3$$

$$x + 6 = 0$$

$$x = -6$$

$$(x, y) = (-6, -3)$$