

連立方程式 加減法② 1

年 組 番・氏名

◆次の連立方程式を、加減法で解け。

$$\textcircled{1} \begin{cases} 3x - y = 1 \cdots \textcircled{1} \\ x + 2y = 12 \cdots \textcircled{2} \end{cases}$$

$$\textcircled{1} \times 2 \\ 6x - 2y = 2 \cdots \textcircled{1}'$$

$$\textcircled{1}' + \textcircled{2} \\ 7x = 14 \\ x = 2 \\ x = 2 \text{を}\textcircled{1}\text{に代入} \\ 3 \times 2 - y = 1 \\ 6 - y = 1 \\ -y = 1 - 6 \\ -y = -5 \\ y = 5 \\ (x, y) = (2, 5)$$

$$\textcircled{2} \begin{cases} x - 2y = 9 \cdots \textcircled{1} \\ 2x + 3y = 4 \cdots \textcircled{2} \end{cases}$$

$$\textcircled{1} \times 2 \\ 2x - 4y = 18 \cdots \textcircled{1}'$$

$$\textcircled{1}' - \textcircled{2} \\ 7y = -14 \\ y = -2 \\ y = -2 \text{を}\textcircled{1}\text{に代入} \\ x - 2 \times (-2) = 9 \\ x + 4 = 9 \\ x = 9 - 4 \\ x = 5 \\ (x, y) = (5, -2)$$

< 年 月 日 >

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

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

$$\textcircled{1}' - \textcircled{2} \\ x = 3 \\ x = 3 \text{を}\textcircled{1}\text{に代入} \\ 2 \times 3 + y = 4 \\ 6 + y = 4 \\ y = 4 - 6 \\ y = -2 \\ (x, y) = (3, -2)$$

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

$$\textcircled{1} \times 3 \\ 9x + 3y = 3 \cdots \textcircled{1}'$$

$$\textcircled{1}' + \textcircled{2} \\ 11x = 11 \\ x = 1 \\ y = 1 \text{を}\textcircled{1}\text{に代入} \\ 3 \times 1 + y = 1 \\ 3 + y = 1 \\ y = 1 - 3 \\ y = -2 \\ (x, y) = (1, -2)$$

< 年 月 日 >