

## 連立方程式 加減法 I

連立方程式の計算

NO.2

学習日 月 日

名前

/5 点

- ◆ 次の連立方程式を，左辺どうし，右辺どうしを，それぞれひいて求めなさい。

$$\textcircled{1} \quad \begin{cases} x + y = 5 \\ x + 3y = 11 \end{cases}$$

$$\textcircled{2} \quad \begin{cases} 4x - 2y = 6 \\ 4x - y = 9 \end{cases}$$

- ◆ 次の連立方程式を，左辺どうし，右辺どうしを，それぞれたして求めなさい。

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

$$\textcircled{4} \quad \begin{cases} -2x - y = -8 \\ x + 3y = 4 \end{cases}$$

$$\textcircled{5} \quad \begin{cases} 3x + 2y = 13 \\ x - 2y = 3 \end{cases}$$

## 解答

$$\begin{array}{r}
 \textcircled{1} \quad x + y = 5 \quad \dots\textcircled{1} \\
 - \quad x + 3y = 11 \quad \dots\textcircled{2} \\
 \hline
 \quad -2y = -6 \\
 \quad \quad y = 3 \\
 y = 3 \quad \text{を}\textcircled{1}\text{に代入して,} \\
 \quad x + 3 = 5 \\
 \quad \quad x = 2
 \end{array}
 \quad \underline{\underline{x = 2 \quad y = 3}}$$

$$\begin{array}{r}
 \textcircled{2} \quad 4x - 2y = 6 \quad \dots\textcircled{1} \\
 - \quad 4x - y = 9 \quad \dots\textcircled{2} \\
 \hline
 \quad \quad -y = -3 \\
 \quad \quad \quad y = 3 \\
 y = 3 \quad \text{を}\textcircled{1}\text{に代入して,} \\
 4x - 2 \times 3 = 6 \\
 4x - 6 = 6 \\
 4x = 12 \\
 \quad \quad x = 3
 \end{array}
 \quad \underline{\underline{x = 3 \quad y = 3}}$$

$$\begin{array}{r}
 \textcircled{3} \quad x + 2y = 8 \quad \dots\textcircled{1} \\
 + \quad -x + y = 1 \quad \dots\textcircled{2} \\
 \hline
 \quad \quad 3y = 9 \\
 \quad \quad \quad y = 3 \\
 y = 3 \quad \text{を}\textcircled{1}\text{に代入して,} \\
 x + 2 \times 3 = 8 \\
 x + 6 = 8 \\
 \quad \quad x = 2
 \end{array}
 \quad \underline{\underline{x = 2 \quad y = 3}}$$

$$\begin{array}{r}
 \textcircled{4} \quad -2x - y = -8 \quad \dots\textcircled{1} \\
 + \quad x + 3y = 4 \quad \dots\textcircled{2} \\
 \hline
 \quad \quad 2y = -4 \\
 \quad \quad \quad y = -2 \\
 y = -2 \quad \text{を}\textcircled{1}\text{に代入して,} \\
 -2x - (-2) = -8 \\
 -2x + 2 = -8 \\
 -2x = -10 \\
 \quad \quad x = -5
 \end{array}
 \quad \underline{\underline{x = -5 \quad y = -2}}$$

$$\begin{array}{r}
 \textcircled{5} \quad 3x + 2y = 13 \quad \dots\textcircled{1} \\
 + \quad x - 2y = 3 \quad \dots\textcircled{2} \\
 \hline
 \quad \quad 4x = 16 \\
 \quad \quad \quad x = 4 \\
 x = 4 \quad \text{を}\textcircled{2}\text{に代入して,} \\
 4 - 2y = 3 \\
 -2y = -1 \\
 \quad \quad y = \frac{1}{2}
 \end{array}
 \quad \underline{\underline{x = 4 \quad y = \frac{1}{2}}}$$