

---

## 一次方程式の解き方3

---

NO.3

学習日 月 日

名前

／

点

■ 次の方程式を解きなさい。

$$(1) \quad 7x + 13 = 9x - 5$$

$$(2) \quad 11x - 7 = -43 - x$$

$$(3) \quad 14x + 9 = 8x - 21$$

$$(4) \quad 21 - 4x = -31 + 9x$$

$$(5) \quad 7 - x = 5x - 8$$

$$(6) \quad 13x - 17 = 8x - 52$$

$$(7) \quad 6x - 11 = 14x - 51$$

$$(8) \quad 17x - 9 = 11x - 63$$

## 解答

$$\begin{aligned}
 (1) \quad & 7x + 13 = 9x - 5 \\
 & 7x - 9x = -5 - 13 \\
 & -x = -18 \\
 & x = 9
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & 11x - 7 = -43 - x \\
 & 11x + x = -43 + 7 \\
 & 12x = -36 \\
 & x = -3
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & 14x + 9 = 8x - 21 \\
 & 14x - 8x = -21 - 9 \\
 & 6x = -30 \\
 & x = -5
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & 21 - 4x = -31 + 9x \\
 & -4x - 9x = -31 - 21 \\
 & -13x = -52 \\
 & x = 4
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & 7 - x = 5x - 8 \\
 & -x - 5x = -8 - 7 \\
 & -6x = -15 \\
 & x = \frac{5}{2}
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad & 13x - 17 = 8x - 52 \\
 & 13x - 8x = -52 + 17 \\
 & 5x = -35 \\
 & x = -7
 \end{aligned}$$

$$\begin{aligned}
 (7) \quad & 6x - 11 = 14x - 51 \\
 & 6x - 14x = -51 + 11 \\
 & -8x = -40 \\
 & x = 5
 \end{aligned}$$

$$\begin{aligned}
 (8) \quad & 17x - 9 = 11x - 63 \\
 & 17x - 11x = -63 + 9 \\
 & 6x = -54 \\
 & x = -9
 \end{aligned}$$