
一次方程式の解き方3

NO.2

学習日 月 日

名前

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点

■ 次の方程式を解きなさい。

$$(1) \quad 4x + 11 = 5x + 6$$

$$(2) \quad 8x - 5 = -32 - x$$

$$(3) \quad 12x + 7 = 7x - 18$$

$$(4) \quad 15 - 3x = -25 + 7x$$

$$(5) \quad 4 - x = 7x - 2$$

$$(6) \quad 7x - 15 = 4x - 42$$

$$(7) \quad 3x - 9 = 8x - 24$$

$$(8) \quad 19x - 7 = 11x - 63$$

解答

$$\begin{aligned}
 (1) \quad & 4x + 11 = 5x + 6 \\
 & 4x - 5x = 6 - 11 \\
 & -x = -5 \\
 & x = 5
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & 8x - 5 = -32 - x \\
 & 8x + x = -32 + 5 \\
 & 9x = -27 \\
 & x = -3
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & 12x + 7 = 7x - 18 \\
 & 12x - 7x = -18 - 7 \\
 & 5x = -25 \\
 & x = -5
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & 15 - 3x = -25 + 7x \\
 & -3x - 7x = -25 - 15 \\
 & -10x = -40 \\
 & x = 4
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & 4 - x = 7x - 2 \\
 & -x - 7x = -2 - 4 \\
 & -8x = -6 \\
 & x = \frac{3}{4}
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad & 7x - 15 = 4x - 42 \\
 & 7x - 4x = -42 + 15 \\
 & 3x = -27 \\
 & x = -9
 \end{aligned}$$

$$\begin{aligned}
 (7) \quad & 3x - 9 = 8x - 24 \\
 & 3x - 8x = -24 + 9 \\
 & -5x = -15 \\
 & x = 3
 \end{aligned}$$

$$\begin{aligned}
 (8) \quad & 19x - 7 = 11x - 63 \\
 & 19x - 11x = -63 + 7 \\
 & 8x = -56 \\
 & x = -7
 \end{aligned}$$