
一次方程式の解き方3

NO.1

学習日 月 日

名前

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点

■ 次の方程式を解きなさい。

$$(1) \quad 5x + 3 = 2x + 12$$

$$(2) \quad 7x - 20 = 4x - 5$$

$$(3) \quad 3x - 20 = 9x - 8$$

$$(4) \quad 6x - 10 = 4x - 2$$

$$(5) \quad 4x - 11 = 8x + 13$$

$$(6) \quad 9x + 4 = 7x + 20$$

$$(7) \quad 2x + 5 = 5x + 17$$

$$(8) \quad 8x - 6 = 5x + 15$$

解答

$$\begin{aligned}
 (1) \quad & 5x + 3 = 2x + 12 \\
 & 5x - 2x = 12 - 3 \\
 & 3x = 9 \\
 & x = 3
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & 7x - 20 = 4x - 5 \\
 & 7x - 4x = -5 + 20 \\
 & 3x = 15 \\
 & x = 5
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & 3x - 20 = 9x - 8 \\
 & 3x - 9x = -8 + 20 \\
 & -6x = 12 \\
 & x = -2
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & 6x - 10 = 4x - 2 \\
 & 6x - 4x = -2 + 10 \\
 & 2x = 8 \\
 & x = 4
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & 4x - 11 = 8x + 13 \\
 & 4x - 8x = 13 + 11 \\
 & -4x = 24 \\
 & x = -6
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad & 9x + 4 = 7x + 20 \\
 & 9x - 7x = 20 - 4 \\
 & 2x = 16 \\
 & x = 8
 \end{aligned}$$

$$\begin{aligned}
 (7) \quad & 2x + 5 = 5x + 17 \\
 & 2x - 5x = 17 - 5 \\
 & -3x = 12 \\
 & x = -4
 \end{aligned}$$

$$\begin{aligned}
 (8) \quad & 8x - 6 = 5x + 15 \\
 & 8x - 5x = 15 + 6 \\
 & 3x = 21 \\
 & x = 7
 \end{aligned}$$