
一次方程式の解き方 (かっこを外す)

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。

$$(1) \quad 6x - 8 = 4(x + 2)$$

$$(2) \quad 5(x - 6) = 3x - 22$$

$$(3) \quad -4(5 + x) = 3(4 - x)$$

$$(4) \quad 7 - 3(5x - 2) = 6$$

$$(5) \quad 3x = 4(x - 5)$$

$$(6) \quad -8(6 + x) = 9(4 - x)$$

解答

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

$$\begin{aligned}
 (2) \quad & 5(x - 6) = 3x - 22 \\
 & 5x - 30 = 3x - 22 \\
 & 5x - 3x = -22 + 30 \\
 & 2x = 8 \\
 & x = 4
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & -4(5 + x) = 3(4 - x) \\
 & -20 - 4x = 12 - 3x \\
 & -4x + 3x = 12 + 20 \\
 & -x = 32 \\
 & x = -32
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & 7 - 3(5x - 2) = 6 \\
 & 7 - 15x + 6 = 6 \\
 & -15x = 6 - 7 - 6 \\
 & -15x = -7 \\
 & x = \frac{7}{15}
 \end{aligned}$$

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

$$\begin{aligned}
 (6) \quad & -8(6 + x) = 9(4 - x) \\
 & -48 - 8x = 36 - 9x \\
 & -8x + 9x = 36 + 48 \\
 & x = 84
 \end{aligned}$$