

## 1次方程式の解き方3

NO.1

名前	
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/8 点

◆ 次の方程式を解きなさい。

(1)  $3x + 9 = 4x + 7$

(2)  $6x - 3 = -24 - x$

(3)  $10x + 5 = 5x - 15$

(4)  $12 - 4x = -18 + 6x$

(5)  $3 - x = 9x + 5$

(6)  $5x - 12 = 2x - 36$

(7)  $2x - 8 = 6x - 16$

(8)  $3x - 9 = 8x - 19$

## 解答

$$(1) \quad \begin{aligned} 3x + 9 &= 4x + 7 \\ x - 4x &= 7 - 9 \\ -x &= -2 \\ x &= 2 \end{aligned}$$

$$(2) \quad \begin{aligned} 6x - 3 &= -24 - x \\ x + x &= -24 + 3 \\ 7x &= -21 \\ x &= -3 \end{aligned}$$

$$(3) \quad \begin{aligned} 10x + 5 &= 5x - 15 \\ 10x - 5x &= -15 - 5 \\ 5x &= -20 \\ x &= -4 \end{aligned}$$

$$(4) \quad \begin{aligned} 12 - 4x &= -18 + 6x \\ -4x - 6x &= -18 - 12 \\ -10x &= -30 \\ x &= 3 \end{aligned}$$

$$(5) \quad \begin{aligned} 3 - x &= 9x + 5 \\ -x - 9x &= 5 - 3 \\ -10x &= 2 \\ x &= -\frac{1}{5} \end{aligned}$$

$$(6) \quad \begin{aligned} 5x - 12 &= 2x - 36 \\ 5x - 2x &= -36 + 12 \\ 3x &= -24 \\ x &= -8 \end{aligned}$$

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

$$(8) \quad \begin{aligned} 3x - 9 &= 8x - 19 \\ 3x - 8x &= -19 + 9 \\ -5x &= -10 \\ x &= 2 \end{aligned}$$