

1 次方程式計算練習 1

NO. 1

名前

/5 点

◆ 次の方程式を解きなさい。

(1) $3x - 8 = 4x + 3$

(2) $5(x - 3) = 3x - 10$

(3) $7 - 0.3(x - 4) = 7.9$

(4) $\frac{2x + 4}{5} - \frac{x - 1}{2} = 1$

(5) $2x - 11 = \frac{3x - 1}{2} - x$

解答

$$\begin{aligned}
 (1) \quad 3x - 4x &= 3 + 8 \\
 -x &= 11 \\
 x &= -11
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad 5x - 15 &= 3x - 10 \\
 5x - 3x &= -10 + 15 \\
 2x &= 5 \\
 x &= \frac{5}{2}
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad 70 - 3(x - 4) &= 79 \\
 70 - 3x + 12 &= 79 \\
 -3x &= 79 - 82 \\
 -3x &= -3 \\
 x &= 1
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad 10 \left(\frac{2x + 4}{5} \right) - 10 \left(\frac{x - 1}{2} \right) &= 10 \\
 4x + 8 - (5x - 5) &= 10 \\
 4x + 8 - 5x + 5 &= 10 \\
 -x + 13 &= 10 \\
 -x &= -3 \\
 x &= 3
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad 2(2x - 11) &= 2 \left(\frac{3x - 1}{2} \right) - 2x \\
 4x - 22 &= 3x - 1 - 2x \\
 4x - x &= -1 + 22 \\
 3x &= 21 \\
 x &= 7
 \end{aligned}$$