

1 次方程式計算練習 1

NO. 2

名前

/5 点

◆ 次の方程式を解きなさい。

(1) $5x + 8 = 2x - 4$

(2) $3(x - 2) = x + 4$

(3) $0.3x + 1.5 = 0.8x - 2$

(4) $\frac{4x - 3}{6} - \frac{5x + 1}{4} = 1$

(5) $x - 1 = \frac{4x - 7}{3}$

解答

$$\begin{aligned}
 (1) \quad 5x - 2x &= -4 - 8 \\
 3x &= -12 \\
 x &= -4
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad 3x - 6 &= x + 4 \\
 3x - x &= 4 + 6 \\
 2x &= 10 \\
 x &= 5
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad 3x + 15 &= 8x - 20 \\
 3x - 8x &= -20 - 15 \\
 -5x &= -35 \\
 x &= 7
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad 12 \left(\frac{4x - 3}{6} \right) - 12 \left(\frac{5x + 1}{4} \right) &= 12 \\
 8x - 6 - (15x + 3) &= 10 \\
 8x - 6 - 15x - 3 &= 12 \\
 -7x - 9 &= 12 \\
 -7x &= 21 \\
 x &= -3
 \end{aligned}$$

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