

方程式の解き方（まとめ）

組 番 名前

1 次の方程式を解きなさい。

$$① x - 3 = 2$$

$$\underline{x = 5} \quad .$$

$$② x + 7 = 4$$

$$\underline{x = -3} \quad .$$

$$③ \frac{x}{5} = 3$$

$$\underline{x = 15} \quad .$$

$$④ \frac{1}{3}x = -2$$

$$\underline{x = -6} \quad .$$

$$⑤ 3x = 18$$

$$\underline{x = 6} \quad .$$

$$⑥ -8x = 72$$

$$\underline{x = -9} \quad .$$

$$⑦ 5x = -8$$

$$\underline{x = -\frac{8}{5}} \quad .$$

$$⑧ -12x = -18$$

$$\underline{x = \frac{3}{2}} \quad .$$

$$⑨ -5 + x = -12$$

$$\underline{x = -7} \quad .$$

$$⑩ x + \frac{1}{2} = 1$$

$$\underline{x = \frac{1}{2}} \quad .$$

$$⑪ -\frac{1}{10}x = \frac{3}{5}$$

$$\underline{x = -6} \quad .$$

$$⑫ -0.3x = 9$$

$$\underline{x = -30} \quad .$$

$$⑬ 2x - 6 = 8$$

$$\begin{aligned} 2x &= 14 \\ x &= 7 \end{aligned} \quad .$$

$$⑭ 9x = 5x - 24$$

$$\begin{aligned} 4x &= -24 \\ x &= -6 \end{aligned} \quad .$$

$$⑮ 4x - 28 = -10x$$

$$\begin{aligned} 4x + 10x &= 28 \\ 14x &= 28 \\ x &= 2 \end{aligned} \quad .$$

$$⑯ 3x + 4 = 8x - 6$$

$$\begin{aligned} -5x &= -10 \\ x &= 2 \end{aligned} \quad .$$

$$⑰ -7x + 13 = 11 - 3x$$

$$\begin{aligned} -4x &= -2 \\ x &= \frac{1}{2} \end{aligned} \quad .$$

$$⑱ x - 9 = 4(x - 3)$$

$$\begin{aligned} x - 9 &= 4x - 12 \\ -3x &= -3 \\ x &= 1 \end{aligned} \quad .$$

$$⑲ \left(\frac{x-5}{4}\right) = \left(\frac{1}{3}x\right)^{10}$$

$$\begin{aligned} 3x - 15 &= 4x \\ x &= -15 \end{aligned} \quad .$$

$$⑳ 5(2x + 4) = 2(x - 2)$$

$$\begin{aligned} 10x + 20 &= 2x - 4 \\ 8x &= -24 \\ x &= -3 \end{aligned} \quad .$$

$$㉑ 2(x - 2) - 3(2x - 4) = 0$$

$$\begin{aligned} 2x - 4 - 6x + 12 &= 0 \\ -4x &= -8 \\ x &= 2 \end{aligned} \quad .$$

$$㉒ (0.8x - 0.1) = (0.3x + 0.9)^{10}$$

$$\begin{aligned} 8x - 1 &= 3x + 9 \\ 5x &= 10 \\ x &= 2 \end{aligned} \quad .$$

$$㉓ \{0.4(x - 1) - 0.6\} = (0.5x)^{10}$$

$$\begin{aligned} 4(x - 1) - 6 &= 5x \\ 4x - 4 - 6 &= 5x \\ x &= -10 \end{aligned} \quad .$$

$$㉔ \left(\frac{2}{3}x + \frac{1}{6}\right) = \left(\frac{5}{6}x + 1\right)^6$$

$$\begin{aligned} 4x + 1 &= 5x + 6 \\ -x &= 5 \\ x &= -5 \end{aligned} \quad .$$