

**数学科 方程式マスター B-⑤**

( )組( )番 名前( )

次の  $x$  についての方程式を解きなさい。

①  $5x+28=-2$

⑥  $30=14-2x$

②  $28+3x=37$

⑦  $2x+7=-5x$

③  $-4x-3=17$

⑧  $-2x+9=x$

④  $-28-6x=32$

⑨  $4x=-5x-3$

⑤  $10x+21=26$

⑩  $6x+8=5x$

次の  $x$  についての方程式を解きなさい。

$$\begin{aligned} \textcircled{1} \quad 5x+28 &= -2 \\ 5x &= -2-28 \\ 5x &= -30 \\ \underline{5x \div 5} &= \underline{-30 \div 5} \\ x &= \underline{-6} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 28+3x &= 37 \\ 3x &= 37-28 \\ 3x &= 9 \\ \underline{3x \div 3} &= \underline{9 \div 3} \\ x &= \underline{3} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad -4x-3 &= 17 \\ -4x &= 17+3 \\ -4x &= 20 \\ \underline{-4x \div (-4)} &= \underline{20 \div (-4)} \\ x &= \underline{-5} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad -28-6x &= 32 \\ -6x &= 32+28 \\ -6x &= 60 \\ \underline{-6x \div (-6)} &= \underline{60 \div (-6)} \\ x &= \underline{-10} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 10x+21 &= 26 \\ 10x &= 26-21 \\ 10x &= 5 \\ \underline{10x \div 10} &= \underline{5 \div 10} \\ x &= \frac{5}{10} \\ x &= \underline{\frac{1}{2}} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 30 &= 14-2x \\ 2x &= 14-30 \\ 2x &= -16 \\ \underline{2x \div 2} &= \underline{-16 \div 2} \\ x &= \underline{-8} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad 2x+7 &= -5x \\ 2x+5x &= -7 \\ 7x &= -7 \\ \underline{7x \div 7} &= \underline{-7 \div 7} \\ x &= \underline{-1} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad -2x+9 &= x \\ -2x-x &= -9 \\ -3x &= -9 \\ \underline{-3x \div (-3)} &= \underline{-9 \div (-3)} \\ x &= \underline{3} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad 4x &= -5x-3 \\ 4x+5x &= -3 \\ 9x &= -3 \\ \underline{9x \div 9} &= \underline{-3 \div 9} \\ x &= -\frac{3}{9} \\ x &= \underline{-\frac{1}{3}} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad 6x+8 &= 5x \\ 6x-5x &= -8 \\ x &= \underline{-8} \end{aligned}$$