

方程式 [1次方程式の解き方]

<演習問題>

次の方程式を解け。

(1) $x - 9 = 2$

(2) $x + 3 = -4$

(3) $-5 - x = 4$

(4) $2 - x = -5$

(5) $3x - 6 = 0$

(6) $4x + 24 = 0$

(7) $-2x + 8 = 0$

(8) $3x - 9 = 0$

(9) $-5x - 15 = 0$

(10) $5x + 2 = 3x + 4$

(11) $7x + 3 = 2x - 12$

(12) $x + 7 = 5x - 1$

(13) $-x + 8 = x - 10$

(14) $-x + 15 = 3x - 1$

(15) $-x + 4 = x + 4$

方程式 [1次方程式の解き方]

<演習問題>

次の方程式を解け。

(1) $x - 9 = 2$

$$\begin{aligned}x - 9 &= 2 \\x &= 2 + 9 \\x &= 11\end{aligned}$$

(2) $x + 3 = -4$

$$\begin{aligned}x + 3 &= -4 \\x &= -4 - 3 \\x &= -7\end{aligned}$$

(3) $-5 - x = 4$

$$\begin{aligned}-5 - x &= 4 \\-x &= 4 + 5 \\-x &= 9 \\x &= -9\end{aligned}$$

(4) $2 - x = -5$

$$\begin{aligned}2 - x &= -5 \\-x &= -5 - 2 \\-x &= -7 \\x &= 7\end{aligned}$$

(5) $3x - 6 = 0$

$$\begin{aligned}3x - 6 &= 0 \\3x &= 6 \\x &= 2\end{aligned}$$

(6) $4x + 24 = 0$

$$\begin{aligned}4x + 24 &= 0 \\4x &= -24 \\x &= -6\end{aligned}$$

(7) $-2x + 8 = 0$

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

(8) $3x - 9 = 0$

$$\begin{aligned}3x - 9 &= 0 \\3x &= 9 \\x &= 3\end{aligned}$$

(9) $-5x - 15 = 0$

$$\begin{aligned}-5x - 15 &= 0 \\-5x &= 15 \\x &= -3\end{aligned}$$

(10) $5x + 2 = 3x + 4$

$$\begin{aligned}5x + 2 &= 3x + 4 \\5x - 3x &= 4 - 2 \\2x &= 2 \\x &= 1\end{aligned}$$

(11) $7x + 3 = 2x - 12$

$$\begin{aligned}7x + 3 &= 2x - 12 \\7x - 2x &= -12 - 3 \\5x &= -15 \\x &= -3\end{aligned}$$

(12) $x + 7 = 5x - 1$

$$\begin{aligned}x + 7 &= 5x - 1 \\x - 5x &= -1 - 7 \\-4x &= -8 \\x &= 2\end{aligned}$$

(13) $-x + 8 = x - 10$

$$\begin{aligned}-x + 8 &= x - 10 \\-x - x &= -10 - 8 \\-2x &= -18 \\x &= 9\end{aligned}$$

(14) $-x + 15 = 3x - 1$

$$\begin{aligned}-x + 15 &= 3x - 1 \\-x - 3x &= -1 - 15 \\-4x &= -16 \\x &= 4\end{aligned}$$

(15) $-x + 4 = x + 4$

$$\begin{aligned}-x + 4 &= x + 4 \\-x - x &= 4 - 4 \\-2x &= 0 \\x &= 0\end{aligned}$$