

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 $x - 3 = 2$

$x = 5$..

② $x + 7 = 4$

$x = -3$..

③ $\frac{x}{5} = 3$

$x = 15$..

④ $\frac{1}{3}x = -2$

$x = -6$..

⑤ $3x = 18$

$x = 6$..

⑥ $-8x = 72$

$x = -9$..

⑦ $5x = -8$

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

⑧ $-12x = -18$

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

⑨ $-5 + x = -12$

$x = -7$..

⑩ $x + \frac{1}{2} = 1$

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

⑪ $-\frac{1}{10}x = \frac{3}{5}$

$x = -6$..

⑫ $-0.3x = 9$

$x = -30$..

⑬ $2x - 6 = 8$

$2x = 14$
 $x = 7$..

⑭ $9x = 5x - 24$

$4x = -24$
 $x = -6$..

⑮ $4x - 28 = -10x$

$4x + 10x = 28$
 $14x = 28$
 $x = 2$..

⑯ $3x + 4 = 8x - 6$

$-5x = -10$
 $x = 2$..

⑰ $-7x + 13 = 11 - 3x$

$-4x = -2$
 $x = \frac{1}{2}$..

⑱ $x - 9 = 4(x - 3)$

$x - 9 = 4x - 12$
 $-3x = -3$
 $x = 1$..

⑲ $\frac{12x(x-5)}{4} = \left(\frac{1}{3}x\right)^{12}$

$3x - 15 = 4x$
 $x = -15$..

⑳ $5(2x + 4) = 2(x - 2)$

$10x + 20 = 2x - 4$
 $8x = -24$
 $x = -3$..

㉑ $2(x - 2) - 3(2x - 4) = 0$

$2x - 4 - 6x + 12 = 0$
 $-4x = -8$
 $x = 2$..

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

$8x - 1 = 3x + 9$
 $5x = 10$
 $x = 2$..

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

$4(x - 1) - 6 = 5x$
 $4x - 4 - 6 = 5x$
 $-x = 10$
 $x = -10$..

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

$4x + 1 = 5x + 6$
 $-x = 5$
 $x = -5$..