

1次方程式

年 組 名前

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■ 次の方程式を解きなさい。

① $33 = -3 + 6x$

⑤ $-8x + 2 = -10 + 7x$

⑨ $9 + 6x = 1$

⑬ $8 - 6x = 9$

② $-12 = -4x + 4$

⑥ $7x + 10 = -x$

⑩ $5x - 11 = -7 + 7x$

⑭ $-6 - 6x = -11$

③ $8 - 13x = -9x + 28$

⑦ $-1 = 20x - 9$

⑪ $42 - x = 5x$

⑮ $-3 - 10x = 9$

④ $2x - 9 = -12$

⑧ $23x = 25 + 8x$

⑫ $-x + 5 = 2$

⑯ $-19 + x = 26x - 4$

■ 次の方程式を解きなさい。

① $33 = -3 + 6x$

$33 = -3 + 6x$

$-6x = -3 - 33$

$-6x = -36$

$x = 6$

⑤ $-8x + 2 = -10 + 7x$

$-8x + 2 = -10 + 7x$

$-8x - 7x = -10 - 2$

$-15x = -12$

$5x = 4$

$x = \frac{4}{5}$

⑨ $9 + 6x = 1$

$9 + 6x = 1$

$6x = 1 - 9$

$6x = -8$

$3x = -4$

$x = -\frac{4}{3}$

⑬ $8 - 6x = 9$

$8 - 6x = 9$

$-6x = 9 - 8$

$-6x = 1$

$6x = -1$

$x = -\frac{1}{6}$

② $-12 = -4x + 4$

$-12 = -4x + 4$

$4x = 4 + 12$

$4x = 16$

$x = 4$

⑥ $7x + 10 = -x$

$7x + 10 = -x$

$7x + x = -10$

$8x = -10$

$4x = -5$

$x = -\frac{5}{4}$

⑩ $5x - 11 = -7 + 7x$

$5x - 11 = -7 + 7x$

$5x - 7x = -7 + 11$

$-2x = 4$

$x = -2$

⑭ $-6 - 6x = -11$

$-6 - 6x = -11$

$-6x = -11 + 6$

$-6x = -5$

$6x = 5$

$x = \frac{5}{6}$

③ $8 - 13x = -9x + 28$

$8 - 13x = -9x + 28$

$-13x + 9x = 28 - 8$

$-4x = 20$

$x = -5$

⑦ $-1 = 20x - 9$

$-1 = 20x - 9$

$-20x = -9 + 1$

$-20x = -8$

$5x = 2$

$x = \frac{2}{5}$

⑪ $42 - x = 5x$

$42 - x = 5x$

$-x - 5x = -42$

$-6x = -42$

$x = 7$

⑮ $-3 - 10x = 9$

$-3 - 10x = 9$

$-10x = 9 + 3$

$-10x = 12$

$5x = -6$

$x = -\frac{6}{5}$

④ $2x - 9 = -12$

$2x - 9 = -12$

$2x = -12 + 9$

$2x = -3$

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

⑧ $23x = 25 + 8x$

$23x = 25 + 8x$

$23x - 8x = 25$

$15x = 25$

$3x = 5$

$x = \frac{5}{3}$

⑫ $-x + 5 = 2$

$-x + 5 = 2$

$-x = 2 - 5$

$-x = -3$

$x = 3$

⑯ $-19 + x = 26x - 4$

$-19 + x = 26x - 4$

$x - 26x = -4 + 19$

$-25x = 15$

$5x = -3$

$x = -\frac{3}{5}$