

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 $-24x - 3 = 17$

⑤ $-5x = -x + 2$

⑨ $-12x + 1 = -8x + 15$

⑬ $-8 - 5x = -71 + 2x$

② $-11 = -8 - 12x$

⑥ $22 = 6x + 7$

⑩ $42 - 9x = 9x$

⑭ $-3 + x = -5 - 5x$

③ $x + 9 = 6$

⑦ $-3 + 16x = -23$

⑪ $5 - 2x = 9 - 5x$

⑮ $9 + 30x = 5x + 39$

④ $14x = 8 + 4x$

⑧ $3 + 23x = 8x - 22$

⑫ $11 = -30x + 6$

⑯ $-5x + 2 = -x - 22$

■ 次の方程式を解きなさい。

① $-24x - 3 = 17$

$$-24x - 3 = 17$$

$$-24x = 17 + 3$$

$$-24x = 20$$

$$6x = -5$$

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

② $-11 = -8 - 12x$

$$-11 = -8 - 12x$$

$$12x = -8 + 11$$

$$12x = 3$$

$$4x = 1$$

$$x = \frac{1}{4}$$

③ $x + 9 = 6$

$$x + 9 = 6$$

$$x = 6 - 9$$

$$x = -3$$

④ $14x = 8 + 4x$

$$14x = 8 + 4x$$

$$14x - 4x = 8$$

$$10x = 8$$

$$5x = 4$$

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

⑤ $-5x = -x + 2$

$$-5x = -x + 2$$

$$-5x + x = 2$$

$$-4x = 2$$

$$2x = -1$$

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

⑥ $22 = 6x + 7$

$$22 = 6x + 7$$

$$-6x = 7 - 22$$

$$-6x = -15$$

$$2x = 5$$

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

⑦ $-3 + 16x = -23$

$$-3 + 16x = -23$$

$$16x = -23 + 3$$

$$16x = -20$$

$$4x = -5$$

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

⑧ $3 + 23x = 8x - 22$

$$3 + 23x = 8x - 22$$

$$23x - 8x = -22 - 3$$

$$15x = -25$$

$$3x = -5$$

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

⑨ $-12x + 1 = -8x + 15$

$$-12x + 1 = -8x + 15$$

$$-12x + 8x = 15 - 1$$

$$-4x = 14$$

$$2x = -7$$

$$x = -\frac{7}{2}$$

⑩ $42 - 9x = 9x$

$$42 - 9x = 9x$$

$$-9x - 9x = -42$$

$$-18x = -42$$

$$3x = 7$$

$$x = \frac{7}{3}$$

⑪ $5 - 2x = 9 - 5x$

$$5 - 2x = 9 - 5x$$

$$-2x + 5x = 9 - 5$$

$$3x = 4$$

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

⑫ $11 = -30x + 6$

$$11 = -30x + 6$$

$$30x = 6 - 11$$

$$30x = -5$$

$$6x = -1$$

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

⑬ $-8 - 5x = -71 + 2x$

$$-8 - 5x = -71 + 2x$$

$$-5x - 2x = -71 + 8$$

$$-7x = -63$$

$$x = 9$$

⑭ $-3 + x = -5 - 5x$

$$-3 + x = -5 - 5x$$

$$x + 5x = -5 + 3$$

$$6x = -2$$

$$3x = -1$$

$$x = -\frac{1}{3}$$

⑮ $9 + 30x = 5x + 39$

$$9 + 30x = 5x + 39$$

$$30x - 5x = 39 - 9$$

$$25x = 30$$

$$5x = 6$$

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

⑯ $-5x + 2 = -x - 22$

$$-5x + 2 = -x - 22$$

$$-5x + x = -22 - 2$$

$$-4x = -24$$

$$x = 6$$