

1次方程式

年 組 名前

/16

■ 次の方程式を解きなさい。

① $-12 = -x - 5$

⑤ $26 + 9x = 1 - x$

⑨ $-10x + 3 = 5x - 15$

⑬ $-x - 3 = -16x + 3$

② $4 = 3 + x$

⑥ $-9x + 42 = 15x$

⑩ $-8 - 14x = -5 + 4x$

⑭ $-2x + 24 = 16x + 9$

③ $-8x + 5 = -5x + 7$

⑦ $1 + 8x = -2 - x$

⑪ $-x - 25 = 4x$

⑮ $45 = -4 + 14x$

④ $-2 + 16x = 18$

⑧ $-12x - 8 = -5$

⑫ $63 - 6x = -9 - 14x$

⑯ $2x - 12 = 4$

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■ 次の方程式を解きなさい。

① $-12 = -x - 5$

$$-12 = -x - 5$$

$$x = -5 + 12$$

$$x = 7$$

⑤ $26 + 9x = 1 - x$

$$26 + 9x = 1 - x$$

$$9x + x = 1 - 26$$

$$10x = -25$$

$$2x = -5$$

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

⑨ $-10x + 3 = 5x - 15$

$$-10x + 3 = 5x - 15$$

$$-10x - 5x = -15 - 3$$

$$-15x = -18$$

$$5x = 6$$

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

⑬ $-x - 3 = -16x + 3$

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

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

$$15x = 6$$

$$5x = 2$$

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

② $4 = 3 + x$

$$4 = 3 + x$$

$$-x = 3 - 4$$

$$-x = -1$$

$$x = 1$$

⑥ $-9x + 42 = 15x$

$$-9x + 42 = 15x$$

$$-9x - 15x = -42$$

$$-24x = -42$$

$$4x = 7$$

$$x = \frac{7}{4}$$

⑩ $-8 - 14x = -5 + 4x$

$$-8 - 14x = -5 + 4x$$

$$-14x - 4x = -5 + 8$$

$$-18x = 3$$

$$6x = -1$$

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

⑭ $-2x + 24 = 16x + 9$

$$-2x + 24 = 16x + 9$$

$$-2x - 16x = 9 - 24$$

$$-18x = -15$$

$$6x = 5$$

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

③ $-8x + 5 = -5x + 7$

$$-8x + 5 = -5x + 7$$

$$-8x + 5x = 7 - 5$$

$$-3x = 2$$

$$3x = -2$$

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

⑦ $1 + 8x = -2 - x$

$$1 + 8x = -2 - x$$

$$8x + x = -2 - 1$$

$$9x = -3$$

$$3x = -1$$

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

⑪ $-x - 25 = 4x$

$$-x - 25 = 4x$$

$$-x - 4x = 25$$

$$-5x = 25$$

$$x = -5$$

⑮ $45 = -4 + 14x$

$$45 = -4 + 14x$$

$$-14x = -4 - 45$$

$$-14x = -49$$

$$2x = 7$$

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

④ $-2 + 16x = 18$

$$-2 + 16x = 18$$

$$16x = 18 + 2$$

$$16x = 20$$

$$4x = 5$$

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

⑧ $-12x - 8 = -5$

$$-12x - 8 = -5$$

$$-12x = -5 + 8$$

$$-12x = 3$$

$$4x = -1$$

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

⑫ $63 - 6x = -9 - 14x$

$$63 - 6x = -9 - 14x$$

$$-6x + 14x = -9 - 63$$

$$8x = -72$$

$$x = -9$$

⑯ $2x - 12 = 4$

$$2x - 12 = 4$$

$$2x = 4 + 12$$

$$2x = 16$$

$$x = 8$$