

1次方程式

年 組 名前

/16

■ 次の方程式を解きなさい。

① $7 = x + 8$

⑤ $3x + 5 = -16 - 3x$

⑨ $2x - 9 = 8x$

⑬ $-8 + x = -13$

② $-7x - 1 = -5x - 7$

⑥ $9 = 5 - 6x$

⑩ $-6 - 4x = -8 + 8x$

⑭ $-16x - 6 = -x + 19$

③ $-11 = 5x - 7$

⑦ $2x - 3 = -7$

⑪ $4 = 9 - 4x$

⑮ $9x = 7x + 1$

④ $6x - 24 = -19x + 6$

⑧ $5 - 5x = -40$

⑫ $2 + 5x = -19 + 2x$

⑯ $23 - 3x = 8 - 21x$

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■ 次の方程式を解きなさい。

① $7 = x + 8$

$$7 = x + 8$$

$$-x = 8 - 7$$

$$-x = 1$$

$$x = -1$$

⑤ $3x + 5 = -16 - 3x$

$$3x + 5 = -16 - 3x$$

$$3x + 3x = -16 - 5$$

$$6x = -21$$

$$2x = -7$$

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

⑨ $2x - 9 = 8x$

$$2x - 9 = 8x$$

$$2x - 8x = 9$$

$$-6x = 9$$

$$2x = -3$$

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

⑬ $-8 + x = -13$

$$-8 + x = -13$$

$$x = -13 + 8$$

$$x = -5$$

② $-7x - 1 = -5x - 7$

$$-7x - 1 = -5x - 7$$

$$-7x + 5x = -7 + 1$$

$$-2x = -6$$

$$x = 3$$

⑥ $9 = 5 - 6x$

$$9 = 5 - 6x$$

$$6x = 5 - 9$$

$$6x = -4$$

$$3x = -2$$

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

⑩ $-6 - 4x = -8 + 8x$

$$-6 - 4x = -8 + 8x$$

$$-4x - 8x = -8 + 6$$

$$-12x = -2$$

$$6x = 1$$

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

⑭ $-16x - 6 = -x + 19$

$$-16x - 6 = -x + 19$$

$$-16x + x = 19 + 6$$

$$-15x = 25$$

$$3x = -5$$

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

③ $-11 = 5x - 7$

$$-11 = 5x - 7$$

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

$$-5x = 4$$

$$5x = -4$$

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

⑦ $2x - 3 = -7$

$$2x - 3 = -7$$

$$2x = -7 + 3$$

$$2x = -4$$

$$x = -2$$

⑪ $4 = 9 - 4x$

$$4 = 9 - 4x$$

$$4x = 9 - 4$$

$$4x = 5$$

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

⑮ $9x = 7x + 1$

$$9x = 7x + 1$$

$$9x - 7x = 1$$

$$2x = 1$$

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

④ $6x - 24 = -19x + 6$

$$6x - 24 = -19x + 6$$

$$6x + 19x = 6 + 24$$

$$25x = 30$$

$$5x = 6$$

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

⑧ $5 - 5x = -40$

$$5 - 5x = -40$$

$$-5x = -40 - 5$$

$$-5x = -45$$

$$x = 9$$

⑫ $2 + 5x = -19 + 2x$

$$2 + 5x = -19 + 2x$$

$$5x - 2x = -19 - 2$$

$$3x = -21$$

$$x = -7$$

⑯ $23 - 3x = 8 - 21x$

$$23 - 3x = 8 - 21x$$

$$-3x + 21x = 8 - 23$$

$$18x = -15$$

$$6x = -5$$

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