

1次方程式の解き方3

NO.1

名前

／8 点

◆ 次の方程式を解きなさい。

(1) $3x + 9 = 4x + 7$

(2) $6x - 3 = -24 - x$

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

(4) $12 - 4x = -18 + 6x$

(5) $3 - x = 9x + 5$

(6) $5x - 12 = 2x - 36$

(7) $2x - 8 = 6x - 16$

(8) $3x - 9 = 8x - 19$

解答

$$(1) \quad x + 9 = 4x + 7$$

$$x - 4x = 7 - 9$$

$$-x = -2$$

$$x = 2$$

$$(2) \quad x - 3 = -24 - x$$

$$x + x = -24 + 3$$

$$2x = -21$$

$$x = -10.5$$

$$(3) \quad 10x + 5 = 5x - 15$$

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

$$5x = -20$$

$$x = -4$$

$$(4) \quad 12 - 4x = -18 + 6x$$

$$-4x - 6x = -18 - 12$$

$$-10x = -30$$

$$x = 3$$

$$(5) \quad 3 - x = 9x + 5$$

$$-x - 9x = 5 - 3$$

$$-10x = 2$$

$$x = -\frac{1}{5}$$

$$(6) \quad 5x - 12 = x - 36$$

$$5x - x = -36 + 12$$

$$4x = -24$$

$$x = -6$$

$$(7) \quad 2x - 8 = x - 16$$

$$2x - x = -16 + 8$$

$$x = -8$$

$$x = -8$$

$$(8) \quad 3x - 9 = 8x - 19$$

$$3x - 8x = -19 + 9$$

$$-5x = -10$$

$$x = 2$$