

文字式の計算 1-3

■ 次の式を簡単にしなさい。

(1) $-9x + 5x$

(2) $-2a - 5a$

(3) $\frac{8}{9}x - \frac{1}{3}x$

(4) $x + \frac{1}{4}x$

(5) $-4x - 7 - 9x + 7$

(6) $8x + 9 + 8x + 9$

(7) $14y + 4 - 8y - 9$

(8) $8 + a + 13 + 2a$

(9) $6x - (-7x + 4)$

(10) $5a - 1 - (3 - 5a)$

(11) $2x \times (-8)$

(12) $-24x \div (-3)$

(13) $8x \div \left(-\frac{4}{5}\right)$

(14) $-\frac{4}{5}x \times 20$

(15) $9(8x + 1)$

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

(17) $4\left(\frac{1}{2}x + \frac{1}{4}\right)$

解答

■ 次の式を簡単にしなさい。

$$(1) \quad -9x + 5x = -4x \quad (2) \quad -2a - 5a = -7a$$

$$(3) \quad \frac{8}{9}x - \frac{1}{3}x \quad (4) \quad x + \frac{1}{4}x$$

$$\# \quad = \frac{5}{9}x \quad \#\#\#\#\# \quad = \frac{5}{4}x$$

$$(5) \quad -4x - 7 - 9x + 7 \quad (6) \quad 8x + 9 + 8x + 9$$

$$= -13x \quad = 16x + 18$$

$$(7) \quad 14y + 4 - 8y - 9 \quad (8) \quad 8 + a + 13 + 2a$$

$$= 6y - 5 \quad = 3a + 21$$

$$(9) \quad 6x - (-7x + 4)$$

$$= 6x + 7x - 4 = 13x - 4$$

$$(10) \quad 5a - 1 - (3 - 5a)$$

$$= 5a - 1 - 3 + 5a = 10a - 4$$

$$(11) \quad 2x \times (-8) = -16x \quad (12) \quad -24x \div (-3)$$

$$= 8x$$

$$(13) \quad 8x \div \left(-\frac{4}{5}\right) \quad (14) \quad -\frac{4}{5}x \times 20$$

$$= -10x \quad = -45x$$

$$(15) \quad 9(8x + 1) \quad (16) \quad -2(6x - 7)$$

$$= 72x + 9 \# \quad = -12x + 14 \#$$

$$(17) \quad 4\left(\frac{1}{2}x + \frac{1}{1}\right) = 2x + 4$$