

1次式の乗除① 解答と解説

1. **解答** (1) $9a$ (2) $-20x$ (3) $-12x$ (4) $48y$

$$(1) 3a \times 3 = 3 \times a \times 3 \\ = 3 \times 3 \times a \\ = 9a$$

$$(2) 4 \times (-5x) = 4 \times (-5) \times x \\ = -20x$$

$$(3) (-3) \times 4x = (-3) \times 4 \times x \\ = -12x$$

$$(4) (-6y) \times (-8) = (-6) \times y \times (-8) \\ = (-6) \times (-8) \times y \\ = 48y$$

2. **解答** (1) $4x+4$ (2) $6a-16$ (3) $3x+15$ (4) $14y-28$

$$(1) 4(x+1) = 4 \times x + 4 \times 1 \\ = 4x + 4$$

$$(2) 2(3a-8) = 2 \times 3a + 2 \times (-8) \\ = 6a - 16$$

$$(3) (x+5) \times 3 = x \times 3 + 5 \times 3 \\ = 3x + 15$$

$$(4) (2y-4) \times 7 = 2y \times 7 + (-4) \times 7 \\ = 14y - 28$$

3. **解答** (1) $3a+6$ (2) $6x-8$ (3) $4y+28$ (4) $10x-16$

$$(1) \frac{a+2}{3} \times 9 = \frac{(a+2) \times 9}{3}$$

$$= (a+2) \times 3 \\ = 3a + 6$$

$$(2) \frac{3x-4}{2} \times 4 = \frac{(3x-4) \times 4}{2}$$

$$= (3x-4) \times 2 \\ = 6x - 8$$

$$(3) 12 \times \frac{y+7}{3} = \frac{12 \times (y+7)}{3}$$

$$= 4 \times (y+7) \\ = 4y + 28$$

$$(4) 10 \times \frac{5x-8}{5} = \frac{10 \times (5x-8)}{5}$$

$$= 2 \times (5x-8) \\ = 10x - 16$$