

$$(8) \text{ 与式} = \left(\frac{5}{6}a - \frac{4}{9}b\right) \times \left(-\frac{3}{2}\right)$$

$$\boxed{4} \quad (7) \text{ 与式} = 2a + 2b - 6 + 4a - 8b + 4$$

$$(9) \text{ 与式} = 4x + 8y - 12 - 10x - 5y + 20$$

$$\boxed{5} \quad (1) \text{ 与式} = 0.4a + 0.8b - 0.3a + 0.1b$$

$$(2) \text{ 与式} = 1.2x - 0.3y - x + 2y - 0.6$$

$$(3) \text{ 与式} = 4a - 3b + 5b$$

$$(4) \text{ 与式} = 8x - 12y - 4x + 3y$$

$$\boxed{6} \quad (1) \text{ 与式} = 4a - 2b - 3a$$

$$(2) \text{ 与式} = 3x - 4y - 4x + 4y$$

$$(3) \text{ 与式} = 3x - 6y - 2x + 3y$$

$$(4) \text{ 与式} = 2a - b - a + 2b$$

$$(5) \text{ 与式} = \frac{1}{4}x + \frac{3}{4}y - \frac{1}{2}x + \frac{1}{6}y$$

$$(6) \text{ 与式} = \frac{2}{3}a + \frac{4}{3}b - \frac{3}{2}a + \frac{3}{4}b$$

$$\boxed{7} \quad (1) \text{ 与式} = \frac{4a - b - 10a + 5b}{5}$$

$$(2) \text{ 与式} = \frac{3x - 3y - (2x - y)}{3}$$

$$(3) \text{ 与式} = \frac{2(4a + 3b) + 7a - 8b}{10}$$

$$(4) \text{ 与式} = \frac{4(-5x + 3y) + 3(4x - 7y)}{24}$$

$$(5) \text{ 与式} = \frac{2(2x - 4y) - 3(3x + y)}{6}$$

$$(6) \text{ 与式} = \frac{2(a - 5b) - (4a - b)}{8}$$

$$(7) \text{ 与式} = \frac{5x - 4(x - 2y) + 3(x - y)}{12}$$

$$(8) \text{ 与式} = \frac{3(a - b) + 2(2a - b) - (a - 4b)}{6}$$

$$\boxed{8} \quad (1) \text{ 与式} = 2a - 5b - (3b - a - 2b)$$

$$(2) \text{ 与式} = x + 2y - (2x - 5x + y)$$

$$(3) \text{ 与式} = 4x - 3y + (-2x + 2y + 5y)$$

$$(4) \text{ 与式} = -a - 3b - (4b - 5a - 5b)$$

$$\boxed{9} \quad (1) \textcircled{1} \quad A + B = (5x - y) + (-2x + 3y)$$

$$= 5x - y - 2x + 3y$$

$$\textcircled{2} \quad 3A - 5B = 3(5x - y) - 5(-2x + 3y)$$

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

$$(2) \quad 4x - 3y + \square = 3x + y$$

$$\square = (3x + y) - (4x - 3y)$$

$$= 3x + y - 4x + 3y$$

$$(3) \quad \square - (-2a + b) = a - 4b + 5$$

$$\square = (a - 4b + 5) + (-2a + b)$$

$$= a - 4b + 5 - 2a + b$$

2 単項式の乗法と除法

◆問題◆

⇒p.17~p.18

$$\text{問題 1} \quad (1) 18ab \quad (2) -9mn \quad (3) -14x^2y$$

$$(4) 15a^3b \quad (5) 36p^2 \quad (6) 9x^2y^2$$

$$(7) -48x^4 \quad (8) -50a^3b^2$$

$$(9) \frac{4}{9}a^2 \quad (10) -2x^3y$$

$$\text{問題 2} \quad (1) -4 \quad (2) -12x \quad (3) 5x$$

$$(4) 5a$$

$$\text{問題 3} \quad (1) \frac{4}{9}a \quad (2) -\frac{x}{10} \quad (3) -2x$$

$$(4) -4b$$

$$\text{問題 4} \quad (1) -2x^2 \quad (2) 27a^2 \quad (3) 3n^2$$

$$(4) -2x$$

$$\text{問題 5} \quad (1) 3a^2 \quad (2) -5x^2$$

解説

$$\text{問題 1} \quad (4) \text{ 与式} = (-5) \times 3 \times (-1) \times a \times a \times ab$$

$$(7) \text{ 与式} = 16x^2 \times (-3x^2)$$

$$(9) \text{ 与式} = \left(-\frac{2}{3}a\right) \times \left(-\frac{2}{3}a\right)$$

$$\text{問題 2} \quad (3) \text{ 与式} = \frac{-40x^2}{-8x} = +\frac{5\cancel{40} \times \cancel{1}x \times x}{\cancel{8} \times \cancel{1}} = 5x$$

$$\text{問題 3} \quad (1) \text{ 与式} = -\frac{8ab}{9} \times \left(-\frac{1}{2b}\right) = \frac{4}{9}a$$

$$(3) \text{ 与式} = \frac{6xy}{7} \times \left(-\frac{7}{3y}\right) = -2x$$

$$\text{問題 4} \quad (1) \text{ 与式} = -\frac{3xy \times 4x}{6y} = -2x^2$$

$$(3) \text{ 与式} = +\frac{6mn^2 \times 4n}{8mn} = 3n^2$$

$$(4) \text{ 与式} = -\frac{12x^3}{3x \times 2x} = -2x$$

$$\text{問題 5} \quad (1) \text{ 与式} = \frac{ab}{3} \times 5a \times \frac{9}{5b} = 3a^2$$

$$(2) \text{ 与式} = \frac{3xy}{7} \times \frac{14}{9y} \times \left(-\frac{15x}{2}\right) = -5x^2$$

◆基本問題◆

⇒p.19~p.20

$$\boxed{1} \quad (1) 18xy \quad (2) -28ab \quad (3) 7xy$$

$$(4) -96mn \quad (5) 10a^2 \quad (6) -54x^2y$$

$$(7) -16x^3y \quad (8) -12a^3b^2 \quad (9) -24ab^2$$

$$(10) -45x^3y^2 \quad (11) -6x^2y \quad (12) \frac{1}{2}a^2b$$