

## 文字式の計算1-4

名前

/10 点

◇ 次の式を計算をなさい。

(1)  $3(-2a + 5b)$

(2)  $4x^3y \div \left(-\frac{2}{3}xy\right)$

(3)  $2a^2b \times (-3b)^2 \div (-9ab)$

(4)  $(-12a + 36b) \div 6$

(5)  $3(x + 2y) - 2(3x - 4y)$

(6)  $(4x - 8y) \div \left(-\frac{2}{3}\right)$

(7)  $\frac{1}{2}xy^2 \div \left(-\frac{2}{3}x\right)$

(8)  $\frac{1}{3}(6a - 3b) - \frac{1}{2}(8a - 4b)$

(9)  $\frac{-a + 2b}{2} - \frac{a - b}{3}$

(10)  $\frac{4x - y}{3} - \frac{-x + 3y}{4}$

## 解答

$$1. \quad (1) \quad -6a + 15b$$

$$(2) \quad 4x^3y \times \left( -\frac{3}{2xy} \right) = -6x^2$$

$$(3) \quad -\frac{2a^2b \times 9b^2}{9ab} = -2ab^2$$

$$(4) \quad -2a + 6b$$

$$(5) \quad 3x + 6y - 6x + 8y \\ = -3x + 14y$$

$$(6) \quad (4x - 8y) \times \left( -\frac{3}{2} \right) \\ = -6x + 12y$$

$$(7) \quad \frac{1}{2}xy^2 \times \left( -\frac{3}{2x} \right) \\ = -\frac{3}{4}y^2$$

$$(8) \quad 2a - b - 4a + 2b \\ = -2a + b$$

$$(9) \quad \frac{3(-a + 2b)}{6} - \frac{2(a - b)}{6} \\ = \frac{-3a + 6b - 2a + 2b}{6} \\ = \frac{-5a + 8b}{6}$$

$$(10) \quad \frac{4(4x - y)}{12} - \frac{3(-x + 3y)}{12} \\ = \frac{16x - 4y + 3x - 9y}{12} \\ = \frac{19x - 13y}{12}$$