

単項式の乗法・除法2

NO.1

名前

/12 点

次の式を計算をしなさい。

(1) $6x \times (-4y)$

(2) $3y \times (-7x^2)$

(3) $-(-x)^2$

(4) $(-2x^2y)^2 \times (-4y^2)$

(5) $12x^3y^2 \div (-2xy)$

(6) $\frac{3}{5}x^2y \div (-3xy^2)$

(7) $8a^2b^3 \div (-6a^2b^2) \times 9ab$

(8) $(-3x)^3 \div (-3x) \div 3x^2$

(9) $2x^2y \times (-4y)^2 \div (-4xy)$

(10) $\frac{1}{2}x^3y^2 \div \left(\frac{1}{4}xy\right)^2 \times (-x^2y)^3$

解答

$$1. \quad (1) \quad - 24 x y$$

$$(2) \quad - 21 x^2 y$$

$$(3) \quad - x^2$$

$$(4) \quad 4 x^4 y^2 \times (-4 y^2) \\ = -16 x^4 y^4$$

$$(5) \quad \frac{12 x^3 y^2}{-2 x y} = -6 x^2 y$$

$$(6) \quad \frac{3}{5} x^2 y \times \frac{1}{-3 x y^2} \\ = -\frac{x}{5 y}$$

$$(7) \quad -\frac{8 a^2 b^3 \times 9 a b}{6 a^2 b^2} \\ = -12 a b^2$$

$$(8) \quad \frac{27 x^3}{3 x \times 3 x^2} \\ = 3$$

$$(9) \quad -\frac{2 x^2 y \times 16 y^2}{4 x y} \\ = -8 x y^2$$

$$(10) \quad \frac{1}{2} x^3 y^2 \times \frac{16}{x^2 y^2} \times (-x^6 y^3) \\ = -8 x^7 y^3$$