

式の値

NO.2

名前

 / 7 点

1 $x = -2$ $y = 3$ のとき、次の式の値を求めなさい。

(1) $5x - 3y$

(2) $2(3x - 7y)$

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

2 $x = 3$ $y = -2$ のとき、次の式の値を求めなさい。

(1) $-8x^2 \div 6x \times 3xy$

(2) $(-8x + 16y) \div \left(-\frac{1}{4}\right)$

(3) $\frac{5}{6}xy \div \left(-\frac{5}{21}y\right)$

(4) $\frac{3x + y}{4} - \frac{x - y}{2}$

解答

$$\boxed{1} \quad (1) \quad 5 \times -2 - 3 \times 3 = -10 - (9) = -19$$

$$(2) \quad 6x - 14y \\ = 6 \times -2 - 14 \times 3 = -12 - 42 = -54$$

$$(3) \quad 12x + 8y - 6x + 12y \\ = 6x + 20y \\ = 6 \times -2 + 20 \times 3 = -12 + (60) = 48$$

$$\boxed{2} \quad (1) \quad -\frac{8x^2}{6x} \times 3xy$$

$$= -4x^2y \\ = -4 \times 3^2 \times (-2) = 72$$

$$(2) \quad (-8x + 16y) \times (-4) \\ = 32x - 64y \\ = 32 \times 3 - 64 \times -2 = 224$$

$$(3) \quad \frac{5}{6}xy \times \left(-\frac{21}{5y}\right) \\ = -\frac{7}{2}x \\ = -\frac{7}{2} \times 3 = -\frac{21}{2}$$

$$(4) \quad \frac{3x + y}{4} - \frac{2(x - y)}{4} \\ = \frac{3x + y - 2x + 2y}{4} \\ = \frac{x + 3y}{4} \\ = \frac{1 \times 3 + 3 \times -2}{4} = -\frac{3}{4}$$