

文字式の計算1-2

名前	
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／10 点

次の式を計算をしなさい。

(1) $4(a + 5b)$

(2) $6(3x - 2y)$

(3) $-4(-3x - 7y)$

(4) $(9a + 12b) \div (-6)$

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

(6) $(-2x - 8y) \div \left(-\frac{2}{5}\right)$

(7) $\frac{2}{5}xy \div \left(-\frac{10}{3}y\right)$

(8) $-3a^3 \div 2a^2 \times 8a^2b$

(9) $\frac{3a + b}{5} + \frac{a - b}{2}$

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

解答

$$1. \quad (1) \quad 4a + 20b$$

$$(2) \quad 18x - 12y$$

$$(3) \quad 12x + 28y$$

$$(4) \quad -\frac{3}{2}a - 2b$$

$$(5) \quad \begin{aligned} &6x + 9y - 8x + 20y \\ &= -2x + 29y \end{aligned}$$

$$(6) \quad \begin{aligned} &(-2x - 8y) \times \left(-\frac{5}{2}\right) \\ &= 5x + 20y \end{aligned}$$

$$(7) \quad \begin{aligned} &\frac{2}{5}xy \times \left(-\frac{3}{10y}\right) \\ &= -\frac{3}{25}x \end{aligned}$$

$$(8) \quad \begin{aligned} &-\frac{3}{2} \frac{a^3}{a^2} \times 8a^2b \\ &= -12a^3b \end{aligned}$$

$$(9) \quad \begin{aligned} &\frac{2(3a + b)}{10} + \frac{5(a - b)}{10} \\ &= \frac{6a + 2b + 5a - 5b}{10} \\ &= \frac{11a - 3b}{10} \end{aligned}$$

$$(10) \quad \begin{aligned} &\frac{4(2x + y)}{12} - \frac{3(x - y)}{12} \\ &= \frac{8x + 4y - 3x + 3y}{12} \\ &= \frac{5x + 7y}{12} \end{aligned}$$