

1年

② 文字式の計算

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問 次の(1)～(9)の計算をなさい。

$$\begin{aligned} (1) \quad & 7x + 9 - (x - 2) \\ & = 7x + 9 - x + 2 \\ & = 7x - x + 9 + 2 \\ & = 6x + 11 \end{aligned}$$

$$\begin{aligned} (2) \quad & (10x + 6) \div 2 \\ & = \frac{10x + 6}{2} \\ & = 5x + 3 \end{aligned}$$

$$\begin{aligned} (3) \quad & 5(2x + y) - 3(x - 2y) \\ & = 10x + 5y - 3x + 6y \\ & = 10x - 3x + 5y + 6y \\ & = 7x + 11y \end{aligned}$$

$$\begin{aligned} (4) \quad & (5x + 7y) - 2(x - 3y) \\ & = 5x + 7y - 2x + 6y \\ & = 5x - 2x + 7y + 6y \\ & = 3x + 13y \end{aligned}$$

$$\begin{aligned} (5) \quad & 4(x + 2y) - 2(x - 3y) \\ & = 4x + 8y - 2x + 6y \\ & = 4x - 2x + 8y + 6y \\ & = 2x + 14y \end{aligned}$$

$$\begin{array}{r} (6) \quad 3x + 4y \\ -) \quad x - 3y \\ \hline \quad 2x + 7y \end{array}$$

$$\begin{aligned} (7) \quad & 4a \times (-a^2) \\ & = -4a \times a^2 \\ & = -4a^3 \end{aligned}$$

$$\begin{aligned} (8) \quad & (-a)^2 \times 4a \\ & = a^2 \times 4a \\ & = 4a^3 \end{aligned}$$

$$\begin{aligned} (9) \quad & 4x^2 \div \left(-\frac{4}{5}x\right) \\ & = 4x^2 \times \left(-\frac{5}{4x}\right) \\ & = -\frac{4x^2 \times 5}{4x} \\ & = -5x \end{aligned}$$