

1年

② 文字式の計算

() 年 () 組 () 番 氏名 ()

問 次の(1)～(9)の計算をなさい。

(1) $7x + 9 - (x - 2)$

(2) $(10x + 6) \div 2$

(3) $5(2x + 1) - 3(x - 2)$

(4) $(5x + 7) - 2(x - 3)$

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

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

(7) $4a \times (-a^2)$

(8) $(-a)^2 \times 4a$

(9) $4x^2 \div \left(-\frac{4}{5}x\right)$

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問 次の(1)～(9)の計算をなさい。

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

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

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

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

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

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

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

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

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