

年 組 番 名前

/ 10

1 次の式を計算しなさい。

同類項をまとめましょう

$$\begin{aligned}
 [1] \quad & 2x + 6y + 2y - 6x \\
 &= 2x - 6x + 6y + 2y \\
 &= -4x + 8y
 \end{aligned}$$

$$\begin{aligned}
 [2] \quad & a + 6ab - a - 4ab \\
 &= a - a + 6ab - 4ab \\
 &= 2ab
 \end{aligned}$$

$$\begin{aligned}
 [3] \quad & (3x + 5y) + (5y - 4x) \\
 &= 3x + 5y + 5y - 4x \\
 &= 3x - 4x + 5y + 5y \\
 &= -x + 10y
 \end{aligned}$$

符号に注意!

$$\begin{aligned}
 [4] \quad & (a - 2b + 3c) - (-3a - 5c) \\
 &= a - 2b + 3c + 3a + 5c \\
 &= a + 3a - 2b + 3c + 5c \\
 &= 4a - 2b + 8c
 \end{aligned}$$

$$\begin{array}{r}
 [5] \quad \quad \quad 2x + 3y \\
 +) \quad \quad \quad x - 4y \\
 \hline
 \quad \quad \quad 3x - y
 \end{array}$$

符号に注意!

$$\begin{array}{r}
 [6] \quad \quad \quad 3a + 5b \\
 +) \quad \quad \quad -a + 2b \\
 \hline
 \quad \quad \quad 2a + 7b
 \end{array}$$

2 次の2つの式の和を求めなさい。また、左の式から右の式をひいた差を求めなさい。

$$[1] \quad -m - 3n, \quad 2m + n$$

$$[2] \quad 7a + 2c, \quad -5a - 4b + c$$

$$\begin{aligned}
 & \text{和 } (-m - 3n) + (2m + n) \\
 & \quad -m - 3n + 2m + n
 \end{aligned}$$

$$\begin{aligned}
 & \text{和 } (7a + 2c) + (-5a - 4b + c) \\
 & \quad 7a + 2c - 5a - 4b + c
 \end{aligned}$$

$$\begin{aligned}
 & \text{差 } (-m - 3n) - (2m + n) \\
 & \quad -m - 3n - 2m - n
 \end{aligned}$$

$$\begin{aligned}
 & \text{差 } (7a + 2c) - (-5a - 4b + c) \\
 & \quad 7a + 2c + 5a + 4b - c
 \end{aligned}$$

$$\begin{array}{r}
 \text{和} \quad \quad \quad 3m - 4n \\
 \hline
 \text{差} \quad \quad \quad -3m - 4n \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{和} \quad \quad \quad 2a - 4b + 3c \\
 \hline
 \text{差} \quad \quad \quad 12a + 4b + c \\
 \hline
 \end{array}$$