

1章 式と計算 予習まとめ②

3 多項式の加法

I <予習> 次の計算を下さい。(教科書 P14~15 を参照)

$$\begin{aligned} (1) \quad & (5x - y) + (3x + 2y) \\ & = 5x - y + 3x + 2y \\ & = 5x + 3x - y + 2y \\ & = (5+3)x + (-1+2)y \\ & = 8x + y \end{aligned}$$

$$\begin{aligned} (2) \quad & (-2a + 4b) + (3a + 2b) \\ & = -2a + 4b + 3a + 2b \\ & = -2a + 3a + 4b + 2b \\ & = (-2+3)a + (4+2)b \\ & = a + 6b \end{aligned}$$

$$\begin{array}{r} (3) \quad 2x - 4y \\ +) 3x - 2y \\ \hline 5x - 6y \end{array}$$

$$\begin{aligned} (4) \quad & (5x + 9y) + (-x - 4y) \\ & = 5x + 9y - x - 4y \\ & = 5x - x + 9y - 4y \\ & = (5-1)x + (9-4)y \\ & = 4x + 5y \end{aligned}$$

$$\begin{aligned} (5) \quad & (-a + 3b) + (7a - 2b) \\ & = -a + 3b + 7a - 2b \\ & = -a + 7a + 3b - 2b \\ & = (-1+7)a + (3-2)b \\ & = 6a + b \end{aligned}$$

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

$$\begin{array}{r} (7) \quad -8x - 6y \\ +) -5x + 3y \\ \hline -13x - 3y \end{array}$$

$$\begin{array}{r} (8) \quad 4x - y \\ +) -3x + 2y \\ \hline x + y \end{array}$$

$$\begin{array}{r} (2x+4) + (3x-1) \\ \quad \downarrow \quad \downarrow \\ = 2x+4 + 3x-1 \\ = 5x+3 \end{array}$$

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ひっさんでも計算ができる!!

$$\begin{array}{r} 2x + 5y \\ +) 3x + 2y \\ \hline 5x + 7y \end{array}$$