

4 多項式の減法

II 次の計算をなさい。(教科書 P14~15 を参照)

$$\begin{aligned}
 (1) \quad & (2x - 7y) - (-3x + 4y) \\
 & = 2x - 7y + 3x - 4y \\
 & = 2x + 3x - 7y - 4y \\
 & = (2+3)x + (-7-4)y \\
 & = 5x - 11y
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & (5a + 2b) - (a - 3b) \\
 & = 5a + 2b - a + 3b \\
 & = 5a - a + 2b + 3b \\
 & = (5-1)a + (2+3)b \\
 & = 4a + 5b
 \end{aligned}$$

$$\begin{array}{r}
 (3) \quad -3x - 5y \\
 +) -4x + 3y \\
 \hline
 -7x - 2y
 \end{array}$$

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

$$\begin{aligned}
 (5) \quad & (-4a + 8b) - (2a + 7b) \\
 & = -4a + 8b - 2a - 7b \\
 & = -4a - 2a + 8b - 7b \\
 & = (-4-2)a + (8-7)b \\
 & = -6a + b
 \end{aligned}$$

$$\begin{array}{r}
 (6) \quad 7x + 2y \\
 +) -8x + 5y \\
 \hline
 -x + 7y
 \end{array}$$

$$\begin{array}{r}
 (7) \quad -3x - 7y \\
 +) -3x + 2y \\
 \hline
 -6x - 5y
 \end{array}$$

$$\begin{array}{r}
 (8) \quad 8x + 9y \\
 +) +5x + 9y \\
 \hline
 13x
 \end{array}$$

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

- ( ) は  
符号が  
逆

ひっさんでも計算ができる!!

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