

# 多項式の計算

年 組 名前

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■ 次の計算をなさい。

$$\textcircled{1} \frac{x-5y}{6} - \frac{x+4y}{18}$$

$$\textcircled{6} \frac{5a+2b}{6} - \frac{3a-4b}{9}$$

$$\textcircled{2} \frac{5x+3y}{6} + \frac{x-3y}{24}$$

$$\textcircled{7} \frac{7x-5y}{3} + \frac{7x+2y}{15}$$

$$\textcircled{3} \frac{6a+7b}{12} + \frac{7a+6b}{8}$$

$$\textcircled{8} \frac{5a+6b}{5} - \frac{6a+5b}{3}$$

$$\textcircled{4} \frac{2a-b}{12} - \frac{2a-5b}{4}$$

$$\textcircled{9} \frac{3x+5y}{12} - \frac{5x-7y}{2}$$

$$\textcircled{5} \frac{7a-b}{7} + \frac{3a-b}{14}$$

$$\textcircled{10} \frac{4a-7b}{27} + \frac{3a+2b}{9}$$

■ 次の計算をなさい。

$$\begin{aligned}\textcircled{1} \frac{x-5y}{6} - \frac{x+4y}{18} &= \frac{3(x-5y) - (x+4y)}{18} \\ &= \frac{2x-19y}{18}\end{aligned}$$

$$\begin{aligned}\textcircled{2} \frac{5x+3y}{6} + \frac{x-3y}{24} &= \frac{4(5x+3y) + (x-3y)}{24} \\ &= \frac{21x+9y}{24} \\ &= \frac{7x+3y}{8}\end{aligned}$$

$$\begin{aligned}\textcircled{3} \frac{6a+7b}{12} + \frac{7a+6b}{8} &= \frac{2(6a+7b) + 3(7a+6b)}{24} \\ &= \frac{33a+32b}{24}\end{aligned}$$

$$\begin{aligned}\textcircled{4} \frac{2a-b}{12} - \frac{2a-5b}{4} &= \frac{(2a-b) - 3(2a-5b)}{12} \\ &= \frac{-4a+14b}{12} \\ &= \frac{-2a+7b}{6}\end{aligned}$$

$$\begin{aligned}\textcircled{5} \frac{7a-b}{7} + \frac{3a-b}{14} &= \frac{2(7a-b) + (3a-b)}{14} \\ &= \frac{17a-3b}{14}\end{aligned}$$

$$\begin{aligned}\textcircled{6} \frac{5a+2b}{6} - \frac{3a-4b}{9} &= \frac{3(5a+2b) - 2(3a-4b)}{18} \\ &= \frac{9a+14b}{18}\end{aligned}$$

$$\begin{aligned}\textcircled{7} \frac{7x-5y}{3} + \frac{7x+2y}{15} &= \frac{5(7x-5y) + (7x+2y)}{15} \\ &= \frac{42x-23y}{15}\end{aligned}$$

$$\begin{aligned}\textcircled{8} \frac{5a+6b}{5} - \frac{6a+5b}{3} &= \frac{3(5a+6b) - 5(6a+5b)}{15} \\ &= \frac{-15a-7b}{15}\end{aligned}$$

$$\begin{aligned}\textcircled{9} \frac{3x+5y}{12} - \frac{5x-7y}{2} &= \frac{(3x+5y) - 6(5x-7y)}{12} \\ &= \frac{-27x+47y}{12}\end{aligned}$$

$$\begin{aligned}\textcircled{10} \frac{4a-7b}{27} + \frac{3a+2b}{9} &= \frac{(4a-7b) + 3(3a+2b)}{27} \\ &= \frac{13a-b}{27}\end{aligned}$$