

# 多項式の計算

年 組 名前

/10

■ 次の計算をなさい。

$$\textcircled{1} \frac{4x+7y}{3} + \frac{7x-3y}{5}$$

$$\textcircled{6} \frac{2x-5y}{16} - \frac{5x-6y}{4}$$

$$\textcircled{2} \frac{4x+y}{6} - \frac{x+3y}{4}$$

$$\textcircled{7} \frac{6x-5y}{8} + \frac{4x+5y}{2}$$

$$\textcircled{3} \frac{5x-3y}{4} + \frac{5x-y}{10}$$

$$\textcircled{8} \frac{x+5y}{12} - \frac{2x+y}{4}$$

$$\textcircled{4} \frac{a-b}{3} - 3a+b$$

$$\textcircled{9} \frac{a-6b}{8} - \frac{3a-2b}{24}$$

$$\textcircled{5} \frac{5x+4y}{8} + \frac{7x-4y}{12}$$

$$\textcircled{10} x+4y + \frac{7x-2y}{4}$$

■ 次の計算をなさい。

$$\begin{aligned}\textcircled{1} \quad \frac{4x+7y}{3} + \frac{7x-3y}{5} &= \frac{5(4x+7y)+3(7x-3y)}{15} \\ &= \frac{41x+26y}{15}\end{aligned}$$

$$\begin{aligned}\textcircled{2} \quad \frac{4x+y}{6} - \frac{x+3y}{4} &= \frac{2(4x+y)-3(x+3y)}{12} \\ &= \frac{5x-7y}{12}\end{aligned}$$

$$\begin{aligned}\textcircled{3} \quad \frac{5x-3y}{4} + \frac{5x-y}{10} &= \frac{5(5x-3y)+2(5x-y)}{20} \\ &= \frac{35x-17y}{20}\end{aligned}$$

$$\begin{aligned}\textcircled{4} \quad \frac{a-b}{3} - 3a+b &= \frac{(a-b)-3(3a+b)}{3} \\ &= \frac{-8a-4b}{3}\end{aligned}$$

$$\begin{aligned}\textcircled{5} \quad \frac{5x+4y}{8} + \frac{7x-4y}{12} &= \frac{3(5x+4y)+2(7x-4y)}{24} \\ &= \frac{29x+4y}{24}\end{aligned}$$

$$\begin{aligned}\textcircled{6} \quad \frac{2x-5y}{16} - \frac{5x-6y}{4} &= \frac{(2x-5y)-4(5x-6y)}{16} \\ &= \frac{-18x+19y}{16}\end{aligned}$$

$$\begin{aligned}\textcircled{7} \quad \frac{6x-5y}{8} + \frac{4x+5y}{2} &= \frac{(6x-5y)+4(4x+5y)}{8} \\ &= \frac{22x+15y}{8}\end{aligned}$$

$$\begin{aligned}\textcircled{8} \quad \frac{x+5y}{12} - \frac{2x+y}{4} &= \frac{(x+5y)-3(2x+y)}{12} \\ &= \frac{-5x+2y}{12}\end{aligned}$$

$$\begin{aligned}\textcircled{9} \quad \frac{a-6b}{8} - \frac{3a-2b}{24} &= \frac{3(a-6b)-(3a-2b)}{24} \\ &= \frac{-16b}{24} \\ &= -\frac{2b}{3}\end{aligned}$$

$$\begin{aligned}\textcircled{10} \quad x+4y + \frac{7x-2y}{4} &= \frac{4(x+4y)+(7x-2y)}{4} \\ &= \frac{11x+14y}{4}\end{aligned}$$