

多項式の計算

年 組 名前

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■ 次の計算をなさい。

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

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

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

$$\textcircled{7} \frac{7a-5b}{6} + \frac{4a+3b}{9}$$

$$\textcircled{3} \frac{x-4y}{12} + \frac{x+6y}{6}$$

$$\textcircled{8} \frac{3a+2b}{9} - \frac{3a+4b}{3}$$

$$\textcircled{4} \frac{a+7b}{16} - \frac{6a+7b}{4}$$

$$\textcircled{9} \frac{7x+6y}{6} + \frac{5x+6y}{3}$$

$$\textcircled{5} 3a-7b + \frac{4a-5b}{3}$$

$$\textcircled{10} \frac{2a-5b}{18} - \frac{4a-b}{9}$$

■ 次の計算をなさい。

$$\begin{aligned}\textcircled{1} \quad \frac{3x+y}{5} - \frac{7x-3y}{3} &= \frac{3(3x+y) - 5(7x-3y)}{15} \\ &= \frac{-26x+18y}{15}\end{aligned}$$

$$\begin{aligned}\textcircled{2} \quad \frac{x-y}{8} + \frac{2x-y}{2} &= \frac{(x-y) + 4(2x-y)}{8} \\ &= \frac{9x-5y}{8}\end{aligned}$$

$$\begin{aligned}\textcircled{3} \quad \frac{x-4y}{12} + \frac{x+6y}{6} &= \frac{(x-4y) + 2(x+6y)}{12} \\ &= \frac{3x+8y}{12}\end{aligned}$$

$$\begin{aligned}\textcircled{4} \quad \frac{a+7b}{16} - \frac{6a+7b}{4} &= \frac{(a+7b) - 4(6a+7b)}{16} \\ &= \frac{-23a-21b}{16}\end{aligned}$$

$$\begin{aligned}\textcircled{5} \quad 3a-7b + \frac{4a-5b}{3} &= \frac{3(3a-7b) + (4a-5b)}{3} \\ &= \frac{13a-26b}{3}\end{aligned}$$

$$\begin{aligned}\textcircled{6} \quad \frac{2x+7y}{5} - \frac{6x-y}{4} &= \frac{4(2x+7y) - 5(6x-y)}{20} \\ &= \frac{-22x+33y}{20}\end{aligned}$$

$$\begin{aligned}\textcircled{7} \quad \frac{7a-5b}{6} + \frac{4a+3b}{9} &= \frac{3(7a-5b) + 2(4a+3b)}{18} \\ &= \frac{29a-9b}{18}\end{aligned}$$

$$\begin{aligned}\textcircled{8} \quad \frac{3a+2b}{9} - \frac{3a+4b}{3} &= \frac{(3a+2b) - 3(3a+4b)}{9} \\ &= \frac{-6a-10b}{9}\end{aligned}$$

$$\begin{aligned}\textcircled{9} \quad \frac{7x+6y}{6} + \frac{5x+6y}{3} &= \frac{(7x+6y) + 2(5x+6y)}{6} \\ &= \frac{17x+18y}{6}\end{aligned}$$

$$\begin{aligned}\textcircled{10} \quad \frac{2a-5b}{18} - \frac{4a-b}{9} &= \frac{(2a-5b) - 2(4a-b)}{18} \\ &= \frac{-6a-3b}{18} \\ &= \frac{-2a-b}{6}\end{aligned}$$