

多項式の計算

年 組 名前

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■ 次の計算をなさい。

$$\textcircled{1} \frac{5x+6y}{6} + \frac{2x-3y}{18}$$

$$\textcircled{6} \frac{7x+5y}{5} + \frac{3x+2y}{10}$$

$$\textcircled{2} \frac{6a+b}{6} - \frac{4a+7b}{8}$$

$$\textcircled{7} \frac{7x-6y}{9} - \frac{2x+5y}{18}$$

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

$$\textcircled{8} \frac{a-7b}{8} + \frac{7a-b}{24}$$

$$\textcircled{4} \frac{5x-7y}{12} - \frac{6x+7y}{3}$$

$$\textcircled{9} \frac{5x+2y}{5} + \frac{7x-4y}{15}$$

$$\textcircled{5} \frac{3x+7y}{16} - \frac{2x-7y}{4}$$

$$\textcircled{10} \frac{3x-4y}{12} - \frac{4x+y}{4}$$

■ 次の計算をなさい。

$$\begin{aligned}\textcircled{1} \frac{5x+6y}{6} + \frac{2x-3y}{18} &= \frac{3(5x+6y) + (2x-3y)}{18} \\ &= \frac{17x+15y}{18}\end{aligned}$$

$$\begin{aligned}\textcircled{2} \frac{6a+b}{6} - \frac{4a+7b}{8} &= \frac{4(6a+b) - 3(4a+7b)}{24} \\ &= \frac{12a-17b}{24}\end{aligned}$$

$$\begin{aligned}\textcircled{3} \frac{3a-b}{4} + \frac{7a-2b}{2} &= \frac{(3a-b) + 2(7a-2b)}{4} \\ &= \frac{17a-5b}{4}\end{aligned}$$

$$\begin{aligned}\textcircled{4} \frac{5x-7y}{12} - \frac{6x+7y}{3} &= \frac{(5x-7y) - 4(6x+7y)}{12} \\ &= \frac{-19x-35y}{12}\end{aligned}$$

$$\begin{aligned}\textcircled{5} \frac{3x+7y}{16} - \frac{2x-7y}{4} &= \frac{(3x+7y) - 4(2x-7y)}{16} \\ &= \frac{-5x+35y}{16}\end{aligned}$$

$$\begin{aligned}\textcircled{6} \frac{7x+5y}{5} + \frac{3x+2y}{10} &= \frac{2(7x+5y) + (3x+2y)}{10} \\ &= \frac{17x+12y}{10}\end{aligned}$$

$$\begin{aligned}\textcircled{7} \frac{7x-6y}{9} - \frac{2x+5y}{18} &= \frac{2(7x-6y) - (2x+5y)}{18} \\ &= \frac{12x-17y}{18}\end{aligned}$$

$$\begin{aligned}\textcircled{8} \frac{a-7b}{8} + \frac{7a-b}{24} &= \frac{3(a-7b) + (7a-b)}{24} \\ &= \frac{10a-22b}{24} \\ &= \frac{5a-11b}{12}\end{aligned}$$

$$\begin{aligned}\textcircled{9} \frac{5x+2y}{5} + \frac{7x-4y}{15} &= \frac{3(5x+2y) + (7x-4y)}{15} \\ &= \frac{22x+2y}{15}\end{aligned}$$

$$\begin{aligned}\textcircled{10} \frac{3x-4y}{12} - \frac{4x+y}{4} &= \frac{(3x-4y) - 3(4x+y)}{12} \\ &= \frac{-9x-7y}{12}\end{aligned}$$