

多項式の計算

年 組 名前

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■ 次の計算をなさい。

$$\textcircled{1} \frac{x-4y}{9} + \frac{2x+3y}{27}$$

$$\textcircled{6} \frac{7x-5y}{5} + \frac{7x-6y}{20}$$

$$\textcircled{2} \frac{6x-7y}{5} - \frac{4x-y}{3}$$

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

$$\textcircled{3} \frac{7a+2b}{3} - \frac{5a+3b}{6}$$

$$\textcircled{8} \frac{2x+y}{6} + \frac{6x+5y}{12}$$

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

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

$$\textcircled{5} 5a+7b - \frac{4a-3b}{2}$$

$$\textcircled{10} \frac{7x-4y}{4} - \frac{x+2y}{20}$$

■ 次の計算をなさい。

$$\begin{aligned}\textcircled{1} \frac{x-4y}{9} + \frac{2x+3y}{27} &= \frac{3(x-4y) + (2x+3y)}{27} \\ &= \frac{5x-9y}{27}\end{aligned}$$

$$\begin{aligned}\textcircled{2} \frac{6x-7y}{5} - \frac{4x-y}{3} &= \frac{3(6x-7y) - 5(4x-y)}{15} \\ &= \frac{-2x-16y}{15}\end{aligned}$$

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

$$\begin{aligned}\textcircled{4} \frac{x+y}{15} + \frac{4x-5y}{5} &= \frac{(x+y) + 3(4x-5y)}{15} \\ &= \frac{13x-14y}{15}\end{aligned}$$

$$\begin{aligned}\textcircled{5} 5a+7b - \frac{4a-3b}{2} &= \frac{2(5a+7b) - (4a-3b)}{2} \\ &= \frac{6a+17b}{2}\end{aligned}$$

$$\begin{aligned}\textcircled{6} \frac{7x-5y}{5} + \frac{7x-6y}{20} &= \frac{4(7x-5y) + (7x-6y)}{20} \\ &= \frac{35x-26y}{20}\end{aligned}$$

$$\begin{aligned}\textcircled{7} \frac{5x-2y}{3} - \frac{3x+5y}{9} &= \frac{3(5x-2y) - (3x+5y)}{9} \\ &= \frac{12x-11y}{9}\end{aligned}$$

$$\begin{aligned}\textcircled{8} \frac{2x+y}{6} + \frac{6x+5y}{12} &= \frac{2(2x+y) + (6x+5y)}{12} \\ &= \frac{10x+7y}{12}\end{aligned}$$

$$\begin{aligned}\textcircled{9} \frac{7a-b}{6} + \frac{3a-b}{9} &= \frac{3(7a-b) + 2(3a-b)}{18} \\ &= \frac{27a-5b}{18}\end{aligned}$$

$$\begin{aligned}\textcircled{10} \frac{7x-4y}{4} - \frac{x+2y}{20} &= \frac{5(7x-4y) - (x+2y)}{20} \\ &= \frac{34x-22y}{20} \\ &= \frac{17x-11y}{10}\end{aligned}$$