

多項式の計算

年 組 名前

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■ 次の計算をなさい。

$$\textcircled{1} \frac{6x+5y}{3} - \frac{3x-4y}{6}$$

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

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

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

$$\textcircled{3} \frac{7x-y}{18} + \frac{7x+3y}{3}$$

$$\textcircled{8} \frac{7x-2y}{15} - \frac{5x+3y}{5}$$

$$\textcircled{4} \frac{4x-5y}{6} - \frac{2x-7y}{12}$$

$$\textcircled{9} \frac{7x+4y}{4} - \frac{4x-3y}{5}$$

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

$$\textcircled{10} \frac{4x+7y}{20} + \frac{2x+5y}{5}$$

■ 次の計算をなさい。

$$\begin{aligned}\textcircled{1} \frac{6x+5y}{3} - \frac{3x-4y}{6} &= \frac{2(6x+5y) - (3x-4y)}{6} \\ &= \frac{9x+14y}{6}\end{aligned}$$

$$\begin{aligned}\textcircled{2} \frac{5a+4b}{4} + \frac{a+4b}{3} &= \frac{3(5a+4b) + 4(a+4b)}{12} \\ &= \frac{19a+28b}{12}\end{aligned}$$

$$\begin{aligned}\textcircled{3} \frac{7x-y}{18} + \frac{7x+3y}{3} &= \frac{(7x-y) + 6(7x+3y)}{18} \\ &= \frac{49x+17y}{18}\end{aligned}$$

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

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

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

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

$$\begin{aligned}\textcircled{8} \frac{7x-2y}{15} - \frac{5x+3y}{5} &= \frac{(7x-2y) - 3(5x+3y)}{15} \\ &= \frac{-8x-11y}{15}\end{aligned}$$

$$\begin{aligned}\textcircled{9} \frac{7x+4y}{4} - \frac{4x-3y}{5} &= \frac{5(7x+4y) - 4(4x-3y)}{20} \\ &= \frac{19x+32y}{20}\end{aligned}$$

$$\begin{aligned}\textcircled{10} \frac{4x+7y}{20} + \frac{2x+5y}{5} &= \frac{(4x+7y) + 4(2x+5y)}{20} \\ &= \frac{12x+27y}{20}\end{aligned}$$