

多項式の計算

年 組 名前

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■ 次の計算をなさい。

$$\textcircled{1} \frac{4x+5y}{18} - \frac{7x-6y}{6}$$

$$\textcircled{6} \frac{a+5b}{20} - \frac{7a+5b}{5}$$

$$\textcircled{2} \frac{3x+2y}{2} + \frac{2x+3y}{3}$$

$$\textcircled{7} \frac{7x+4y}{16} - \frac{5x-4y}{8}$$

$$\textcircled{3} \frac{5x-2y}{12} - \frac{5x-y}{3}$$

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

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

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

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

$$\textcircled{10} \frac{7x+3y}{15} - \frac{6x+y}{5}$$

■ 次の計算をなさい。

$$\begin{aligned}\textcircled{1} \quad \frac{4x+5y}{18} - \frac{7x-6y}{6} &= \frac{(4x+5y)-3(7x-6y)}{18} \\ &= \frac{-17x+23y}{18}\end{aligned}$$

$$\begin{aligned}\textcircled{2} \quad \frac{3x+2y}{2} + \frac{2x+3y}{3} &= \frac{3(3x+2y)+2(2x+3y)}{6} \\ &= \frac{13x+12y}{6}\end{aligned}$$

$$\begin{aligned}\textcircled{3} \quad \frac{5x-2y}{12} - \frac{5x-y}{3} &= \frac{(5x-2y)-4(5x-y)}{12} \\ &= \frac{-15x+2y}{12}\end{aligned}$$

$$\begin{aligned}\textcircled{4} \quad \frac{x-7y}{12} + \frac{7x+y}{6} &= \frac{(x-7y)+2(7x+y)}{12} \\ &= \frac{15x-5y}{12}\end{aligned}$$

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

$$\begin{aligned}\textcircled{6} \quad \frac{a+5b}{20} - \frac{7a+5b}{5} &= \frac{(a+5b)-4(7a+5b)}{20} \\ &= \frac{-27a-15b}{20}\end{aligned}$$

$$\begin{aligned}\textcircled{7} \quad \frac{7x+4y}{16} - \frac{5x-4y}{8} &= \frac{(7x+4y)-2(5x-4y)}{16} \\ &= \frac{-3x+12y}{16}\end{aligned}$$

$$\begin{aligned}\textcircled{8} \quad \frac{2a-b}{8} + \frac{a-6b}{6} &= \frac{3(2a-b)+4(a-6b)}{24} \\ &= \frac{10a-27b}{24}\end{aligned}$$

$$\begin{aligned}\textcircled{9} \quad \frac{x-4y}{3} + \frac{3x+5y}{5} &= \frac{5(x-4y)+3(3x+5y)}{15} \\ &= \frac{14x-5y}{15}\end{aligned}$$

$$\begin{aligned}\textcircled{10} \quad \frac{7x+3y}{15} - \frac{6x+y}{5} &= \frac{(7x+3y)-3(6x+y)}{15} \\ &= \frac{-11x}{15} \\ &= -\frac{11x}{15}\end{aligned}$$