

1 次の計算をなさい。

$$\textcircled{1} \quad \frac{4x+5y}{3} + \frac{7x+3y}{2}$$

$$\textcircled{2} \quad \frac{3x+8y}{5} + \frac{9x-2y}{4}$$

$$\textcircled{3} \quad \frac{7x+2y}{9} - \frac{5x+4y}{6}$$

$$\textcircled{4} \quad \frac{6x-3y}{7} + \frac{5x-9y}{8}$$

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

$$\textcircled{6} \quad \frac{4x-9y}{5} - \frac{7x-2y}{6}$$

1 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad & \frac{4x+5y}{3} + \frac{7x+3y}{2} \\ &= \frac{2(4x+5y) + 3(7x+3y)}{6} \\ &= \frac{8x+10y+21x+9y}{6} \\ &= \frac{29x+19y}{6} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & \frac{3x+8y}{5} + \frac{9x-2y}{4} \\ &= \frac{4(3x+8y) + 5(9x-2y)}{20} \\ &= \frac{12x+32y+45x-10y}{20} \\ &= \frac{57x+22y}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & \frac{7x+2y}{9} - \frac{5x+4y}{6} \\ &= \frac{2(7x+2y) - 3(5x+4y)}{18} \\ &= \frac{14x+4y-15x-12y}{18} \\ &= \frac{-x-8y}{18} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & \frac{6x-3y}{7} + \frac{5x-9y}{8} \\ &= \frac{8(6x-3y) + 7(5x-9y)}{56} \\ &= \frac{48x-24y+35x-63y}{56} \\ &= \frac{83x-87y}{56} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & \frac{3x+7y}{4} - \frac{5x-2y}{3} \\ &= \frac{3(3x+7y) - 4(5x-2y)}{12} \\ &= \frac{9x+21y-20x+8y}{12} \\ &= \frac{-11x+29y}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & \frac{4x-9y}{5} - \frac{7x-2y}{6} \\ &= \frac{6(4x-9y) - 5(7x-2y)}{30} \\ &= \frac{24x-54y-35x+10y}{30} \\ &= \frac{-11x-44y}{30} \end{aligned}$$