

1 次の計算をなさい。

$$\textcircled{1} \quad \frac{3x+7y}{2} + \frac{6x+5y}{7}$$

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

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

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

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

$$\textcircled{6} \quad \frac{6x-3y}{8} - \frac{7x-2y}{5}$$

1 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad & \frac{3x+7y}{2} + \frac{6x+5y}{7} \\ &= \frac{7(3x+7y) + 2(6x+5y)}{14} \\ &= \frac{21x+49y+12x+10y}{14} \\ &= \frac{33x+59y}{14} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & \frac{8x+9y}{4} + \frac{4x-2y}{3} \\ &= \frac{3(8x+9y) + 4(4x-2y)}{12} \\ &= \frac{24x+27y+16x-8y}{12} \\ &= \frac{40x+19y}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & \frac{5x+6y}{7} - \frac{7x+6y}{8} \\ &= \frac{8(5x+6y) - 7(7x+6y)}{56} \\ &= \frac{40x+48y-49x-42y}{56} \\ &= \frac{-9x+6y}{56} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & \frac{2x-4y}{5} + \frac{3x-5y}{9} \\ &= \frac{9(2x-4y) + 5(3x-5y)}{45} \\ &= \frac{18x-36y+15x-25y}{45} \\ &= \frac{33x-61y}{45} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & \frac{9x+7y}{4} - \frac{8x-4y}{3} \\ &= \frac{3(9x+7y) - 4(8x-4y)}{12} \\ &= \frac{27x+21y-32x+16y}{12} \\ &= \frac{-5x+37y}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & \frac{6x-3y}{8} - \frac{7x-2y}{5} \\ &= \frac{5(6x-3y) - 8(7x-2y)}{40} \\ &= \frac{30x-15y-56x+16y}{40} \\ &= \frac{-26x+y}{40} \end{aligned}$$