

1 次の計算をなさい。

$$\textcircled{1} \quad \left(\frac{2}{3}x + \frac{1}{3}\right) + \left(\frac{2}{7}x + \frac{1}{4}\right)$$

$$\textcircled{2} \quad \left(-\frac{4}{7}x + \frac{5}{6}\right) - \left(\frac{2}{5}x - \frac{3}{4}\right)$$

$$\textcircled{3} \quad \left(\frac{1}{7}x - \frac{1}{5}\right) - \left(-\frac{2}{3}x - \frac{1}{2}\right)$$

$$\textcircled{4} \quad \left(-\frac{3}{8}x - \frac{6}{7}\right) + \left(\frac{1}{3}x - \frac{1}{6}\right)$$

$$\textcircled{5} \quad \left(-\frac{1}{3}x + \frac{3}{4}\right) + \left(\frac{1}{8}x + \frac{2}{5}\right)$$

$$\textcircled{6} \quad \left(-\frac{2}{5}x + \frac{2}{7}\right) - \left(-\frac{2}{8}x - \frac{1}{2}\right)$$

1 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad & \left(\frac{2}{3}x + \frac{1}{3}\right) + \left(\frac{2}{7}x + \frac{1}{4}\right) \\ &= \frac{2}{3}x + \frac{1}{3} + \frac{2}{7}x + \frac{1}{4} \\ &= \frac{2}{3}x + \frac{2}{7}x + \frac{1}{3} + \frac{1}{4} \\ &= \frac{14}{21}x + \frac{6}{21}x + \frac{4}{12} + \frac{3}{12} \\ &= \frac{20}{21}x + \frac{7}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & \left(-\frac{4}{7}x + \frac{5}{6}\right) - \left(\frac{2}{5}x - \frac{3}{4}\right) \\ &= -\frac{4}{7}x + \frac{5}{6} - \frac{2}{5}x + \frac{3}{4} \\ &= -\frac{4}{7}x - \frac{2}{5}x + \frac{5}{6} + \frac{3}{4} \\ &= -\frac{20}{35}x - \frac{14}{35}x + \frac{10}{12} + \frac{9}{12} \\ &= -\frac{34}{35}x + \frac{19}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & \left(\frac{1}{7}x - \frac{1}{5}\right) - \left(-\frac{2}{3}x - \frac{1}{2}\right) \\ &= \frac{1}{7}x - \frac{1}{5} + \frac{2}{3}x + \frac{1}{2} \\ &= \frac{1}{7}x + \frac{2}{3}x - \frac{1}{5} + \frac{1}{2} \\ &= \frac{3}{21}x + \frac{14}{21}x - \frac{2}{10} + \frac{5}{10} \\ &= \frac{17}{21}x + \frac{3}{10} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & \left(-\frac{3}{8}x - \frac{6}{7}\right) + \left(\frac{1}{3}x - \frac{1}{6}\right) \\ &= -\frac{3}{8}x - \frac{6}{7} + \frac{1}{3}x - \frac{1}{6} \\ &= -\frac{3}{8}x + \frac{1}{3}x - \frac{6}{7} - \frac{1}{6} \\ &= -\frac{9}{24}x + \frac{8}{24}x - \frac{36}{42} - \frac{7}{42} \\ &= -\frac{1}{24}x - \frac{43}{42} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & \left(-\frac{1}{3}x + \frac{3}{4}\right) + \left(\frac{1}{8}x + \frac{2}{5}\right) \\ &= -\frac{1}{3}x + \frac{3}{4} + \frac{1}{8}x + \frac{2}{5} \\ &= -\frac{1}{3}x + \frac{1}{8}x + \frac{3}{4} + \frac{2}{5} \\ &= -\frac{8}{24}x + \frac{3}{24}x + \frac{15}{20} + \frac{8}{20} \\ &= -\frac{5}{24}x + \frac{23}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & \left(-\frac{2}{5}x + \frac{2}{7}\right) - \left(-\frac{2}{8}x - \frac{1}{2}\right) \\ &= -\frac{2}{5}x + \frac{2}{7} + \frac{2}{8}x + \frac{1}{2} \\ &= -\frac{2}{5}x + \frac{2}{8}x + \frac{2}{7} + \frac{1}{2} \\ &= -\frac{16}{40}x + \frac{10}{40}x + \frac{4}{14} + \frac{7}{14} \\ &= -\frac{6}{40}x + \frac{11}{14} = -\frac{3}{20}x + \frac{11}{14} \end{aligned}$$