

1 次の計算をなさい。

$$\textcircled{1} \quad \left(\frac{1}{3}x + \frac{2}{7}\right) + \left(\frac{4}{7}x + \frac{5}{6}\right)$$

$$\textcircled{2} \quad \left(-\frac{1}{5}x + \frac{1}{4}\right) + \left(\frac{1}{6}x - \frac{2}{7}\right)$$

$$\textcircled{3} \quad \left(\frac{2}{7}x - \frac{2}{3}\right) + \left(-\frac{1}{5}x - \frac{3}{4}\right)$$

$$\textcircled{4} \quad \left(-\frac{1}{5}x - \frac{5}{6}\right) + \left(\frac{1}{3}x - \frac{3}{4}\right)$$

$$\textcircled{5} \quad \left(-\frac{1}{7}x + \frac{2}{3}\right) + \left(\frac{3}{4}x + \frac{7}{8}\right)$$

$$\textcircled{6} \quad \left(-\frac{1}{3}x + \frac{4}{7}\right) + \left(-\frac{3}{4}x - \frac{1}{2}\right)$$

1 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad & \left(\frac{1}{3}x + \frac{2}{7}\right) + \left(\frac{4}{7}x + \frac{5}{6}\right) \\ &= \frac{1}{3}x + \frac{2}{7} + \frac{4}{7}x + \frac{5}{6} \\ &= \frac{1}{3}x + \frac{4}{7}x + \frac{2}{7} + \frac{5}{6} \\ &= \frac{7}{21}x + \frac{12}{21}x + \frac{12}{42} + \frac{35}{42} \\ &= \frac{19}{21}x + \frac{47}{42} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & \left(-\frac{1}{5}x + \frac{1}{4}\right) + \left(\frac{1}{6}x - \frac{2}{7}\right) \\ &= -\frac{1}{5}x + \frac{1}{4} + \frac{1}{6}x - \frac{2}{7} \\ &= -\frac{1}{5}x + \frac{1}{6}x + \frac{1}{4} - \frac{2}{7} \\ &= -\frac{6}{30}x + \frac{5}{30}x + \frac{7}{28} - \frac{8}{28} \\ &= -\frac{1}{30}x - \frac{1}{28} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & \left(\frac{2}{7}x - \frac{2}{3}\right) + \left(-\frac{1}{5}x - \frac{3}{4}\right) \\ &= \frac{2}{7}x - \frac{2}{3} - \frac{1}{5}x - \frac{3}{4} \\ &= \frac{2}{7}x - \frac{1}{5}x - \frac{2}{3} - \frac{3}{4} \\ &= \frac{10}{35}x - \frac{7}{35}x - \frac{8}{12} - \frac{9}{12} \\ &= \frac{3}{35}x - \frac{17}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & \left(-\frac{1}{5}x - \frac{5}{6}\right) + \left(\frac{1}{3}x - \frac{3}{4}\right) \\ &= -\frac{1}{5}x - \frac{5}{6} + \frac{1}{3}x - \frac{3}{4} \\ &= -\frac{1}{5}x + \frac{1}{3}x - \frac{5}{6} - \frac{3}{4} \\ &= -\frac{3}{15}x + \frac{5}{15}x - \frac{10}{12} - \frac{9}{12} \\ &= \frac{2}{15}x - \frac{19}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & \left(-\frac{1}{7}x + \frac{2}{3}\right) + \left(\frac{3}{4}x + \frac{7}{8}\right) \\ &= -\frac{1}{7}x + \frac{2}{3} + \frac{3}{4}x + \frac{7}{8} \\ &= -\frac{1}{7}x + \frac{3}{4}x + \frac{2}{3} + \frac{7}{8} \\ &= -\frac{4}{28}x + \frac{21}{28}x + \frac{16}{24} + \frac{21}{24} \\ &= \frac{17}{28}x + \frac{37}{24} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & \left(-\frac{1}{3}x + \frac{4}{7}\right) + \left(-\frac{3}{4}x - \frac{1}{2}\right) \\ &= -\frac{1}{3}x + \frac{4}{7} - \frac{3}{4}x - \frac{1}{2} \\ &= -\frac{1}{3}x - \frac{3}{4}x + \frac{4}{7} - \frac{1}{2} \\ &= -\frac{4}{12}x - \frac{9}{12}x + \frac{8}{14} - \frac{7}{14} \\ &= -\frac{13}{12}x + \frac{1}{14} \end{aligned}$$