

1 次の計算をなさい。

$$\textcircled{1} \quad \left(\frac{4}{9}x + \frac{1}{6}\right) + \left(\frac{2}{7}x + \frac{4}{5}\right)$$

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

$$\textcircled{3} \quad \left(\frac{3}{7}x - \frac{2}{9}\right) - \left(-\frac{1}{3}x - \frac{3}{4}\right)$$

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

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

$$\textcircled{6} \quad \left(-\frac{2}{5}x + \frac{1}{6}\right) - \left(-\frac{7}{8}x - \frac{3}{4}\right)$$

1 次の計算をなさい。

$$\begin{aligned}
 \textcircled{1} \quad & \left(\frac{4}{9}x + \frac{1}{6}\right) + \left(\frac{2}{7}x + \frac{4}{5}\right) \\
 &= \frac{4}{9}x + \frac{1}{6} + \frac{2}{7}x + \frac{4}{5} \\
 &= \frac{4}{9}x + \frac{2}{7}x + \frac{1}{6} + \frac{4}{5} \\
 &= \frac{28}{63}x + \frac{18}{63}x + \frac{5}{30} + \frac{24}{30} \\
 &= \frac{46}{63}x + \frac{29}{30}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{2} \quad & \left(-\frac{1}{3}x + \frac{1}{7}\right) - \left(\frac{2}{5}x - \frac{3}{4}\right) \\
 &= -\frac{1}{3}x + \frac{1}{7} - \frac{2}{5}x + \frac{3}{4} \\
 &= -\frac{1}{3}x - \frac{2}{5}x + \frac{1}{7} + \frac{3}{4} \\
 &= -\frac{5}{15}x - \frac{6}{15}x + \frac{4}{28} + \frac{21}{28} \\
 &= -\frac{11}{15}x + \frac{25}{28}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{3} \quad & \left(\frac{3}{7}x - \frac{2}{9}\right) - \left(-\frac{1}{3}x - \frac{3}{4}\right) \\
 &= \frac{3}{7}x - \frac{2}{9} + \frac{1}{3}x + \frac{3}{4} \\
 &= \frac{3}{7}x + \frac{1}{3}x - \frac{2}{9} + \frac{3}{4} \\
 &= \frac{9}{21}x + \frac{7}{21}x - \frac{8}{36} + \frac{27}{36} \\
 &= \frac{16}{21}x + \frac{19}{36}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{4} \quad & \left(-\frac{2}{3}x - \frac{1}{4}\right) + \left(\frac{4}{5}x - \frac{2}{5}\right) \\
 &= -\frac{2}{3}x - \frac{1}{4} + \frac{4}{5}x - \frac{2}{5} \\
 &= -\frac{2}{3}x + \frac{4}{5}x - \frac{1}{4} - \frac{2}{5} \\
 &= -\frac{10}{15}x + \frac{12}{15}x - \frac{5}{20} - \frac{8}{20} \\
 &= \frac{2}{15}x - \frac{13}{20}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{5} \quad & \left(-\frac{1}{7}x + \frac{3}{7}\right) + \left(\frac{5}{8}x + \frac{2}{5}\right) \\
 &= -\frac{1}{7}x + \frac{3}{7} + \frac{5}{8}x + \frac{2}{5} \\
 &= -\frac{1}{7}x + \frac{5}{8}x + \frac{3}{7} + \frac{2}{5} \\
 &= -\frac{8}{56}x + \frac{35}{56}x + \frac{15}{35} + \frac{14}{35} \\
 &= \frac{27}{56}x + \frac{29}{35}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{6} \quad & \left(-\frac{2}{5}x + \frac{1}{6}\right) - \left(-\frac{7}{8}x - \frac{3}{4}\right) \\
 &= -\frac{2}{5}x + \frac{1}{6} + \frac{7}{8}x + \frac{3}{4} \\
 &= -\frac{2}{5}x + \frac{7}{8}x + \frac{1}{6} + \frac{3}{4} \\
 &= -\frac{16}{40}x + \frac{35}{40}x + \frac{2}{12} + \frac{9}{12} \\
 &= \frac{19}{40}x + \frac{11}{12}
 \end{aligned}$$