

1 次の計算をなさい。

①  $\left(\frac{4}{9}x + \frac{2}{3}\right) - \left(\frac{2}{5}x + \frac{3}{4}\right)$

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

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

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

⑤  $\left(-\frac{1}{8}x + \frac{2}{5}\right) - \left(\frac{3}{5}x + \frac{2}{9}\right)$

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

1 次の計算をなさい。

$$\begin{aligned}
 \textcircled{1} \quad & \left(\frac{4}{9}x + \frac{2}{3}\right) - \left(\frac{2}{5}x + \frac{3}{4}\right) \\
 &= \frac{4}{9}x + \frac{2}{3} - \frac{2}{5}x - \frac{3}{4} \\
 &= \frac{4}{9}x - \frac{2}{5}x + \frac{2}{3} - \frac{3}{4} \\
 &= \frac{20}{45}x - \frac{18}{45}x + \frac{8}{12} - \frac{9}{12} \\
 &= \frac{2}{45}x - \frac{1}{12}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{2} \quad & \left(-\frac{3}{7}x + \frac{2}{5}\right) - \left(\frac{3}{5}x - \frac{1}{3}\right) \\
 &= -\frac{3}{7}x + \frac{2}{5} - \frac{3}{5}x + \frac{1}{3} \\
 &= -\frac{3}{7}x - \frac{3}{5}x + \frac{2}{5} + \frac{1}{3} \\
 &= -\frac{15}{35}x - \frac{21}{35}x + \frac{6}{15} + \frac{5}{15} \\
 &= -\frac{36}{35}x + \frac{11}{15}
 \end{aligned}$$

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

$$\begin{aligned}
 \textcircled{4} \quad & \left(-\frac{4}{7}x - \frac{1}{5}\right) - \left(\frac{2}{3}x - \frac{5}{6}\right) \\
 &= -\frac{4}{7}x - \frac{1}{5} - \frac{2}{3}x + \frac{5}{6} \\
 &= -\frac{4}{7}x - \frac{2}{3}x - \frac{1}{5} + \frac{5}{6} \\
 &= -\frac{12}{21}x - \frac{14}{21}x - \frac{6}{30} + \frac{25}{30} \\
 &= -\frac{26}{21}x + \frac{19}{30}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{5} \quad & \left(-\frac{1}{8}x + \frac{2}{5}\right) - \left(\frac{3}{5}x + \frac{2}{9}\right) \\
 &= -\frac{1}{8}x + \frac{2}{5} - \frac{3}{5}x - \frac{2}{9} \\
 &= -\frac{1}{8}x - \frac{3}{5}x + \frac{2}{5} - \frac{2}{9} \\
 &= -\frac{5}{40}x - \frac{24}{40}x + \frac{18}{45} - \frac{10}{45} \\
 &= -\frac{29}{40}x + \frac{8}{45}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{6} \quad & \left(-\frac{1}{4}x + \frac{2}{3}\right) - \left(-\frac{5}{8}x - \frac{6}{7}\right) \\
 &= -\frac{1}{4}x + \frac{2}{3} + \frac{5}{8}x + \frac{6}{7} \\
 &= -\frac{1}{4}x + \frac{5}{8}x + \frac{2}{3} + \frac{6}{7} \\
 &= -\frac{2}{8}x + \frac{5}{8}x + \frac{14}{21} + \frac{18}{21} \\
 &= \frac{3}{8}x + \frac{32}{21}
 \end{aligned}$$