

Chpt: Rational numbers

Solution:

$$\begin{aligned} \text{(a)} \quad & -2\frac{1}{3} - \left(-1\frac{1}{2}\right) \\ & = -\frac{7}{3} + \frac{3}{2} = -\frac{14}{6} + \frac{9}{6} = -\frac{5}{6} \end{aligned}$$

$$\begin{aligned} \text{(b)} \quad & 9\frac{1}{4} + \left(-7\frac{3}{5}\right) \\ & = \frac{37}{4} - \frac{38}{5} = \frac{185}{20} - \frac{152}{20} = \frac{33}{20} = 1\frac{13}{20} \end{aligned}$$

$$\begin{aligned} \text{(c)} \quad & -3\frac{4}{5} - 1\frac{3}{10} - \left(-2\frac{3}{4}\right) \\ & = -\frac{19}{5} - \frac{13}{10} + \frac{11}{4} = -\frac{76}{20} - \frac{26}{20} + \frac{55}{20} = -\frac{47}{20} = -2\frac{7}{20} \end{aligned}$$