

test A

$$\begin{aligned} \textcircled{1} \quad -6x - 2 &= 5 \\ -6x &= 7 \\ \boxed{x = -\frac{7}{6}} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 4x + 9 &= -3 + 5x \\ 4x + 9 - 5x &= -3 \\ 4x - 5x &= -3 - 9 \\ -x &= -12 \\ \boxed{x = 12} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad \frac{3 - 2x}{5} &= -3 \\ 3 - 2x &= -15 \\ -2x &= -15 - 3 \\ -2x &= -18 \\ x &= \frac{-18}{-2} \\ \boxed{x = 9} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 1 + \frac{5x}{2} &= -5 \\ \frac{5x}{2} &= -6 \\ 5x &= -12 \\ x &= -\frac{12}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad \frac{3x}{4} - 1 &= \frac{2}{3} \\ \frac{3x}{4} &= \frac{2}{3} + 1 \\ \frac{3x}{4} &= \frac{5}{3} \\ 3x &= \frac{5}{3} \times 4 \\ 3x &= \frac{20}{3} \\ x &= \frac{20}{3} : 3 \\ x &= \frac{20}{9} \times \frac{1}{3} \\ \boxed{x = \frac{20}{9}} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 2 - \frac{2 - 4x}{5} &= -1 \\ -\frac{2 - 4x}{5} &= -3 \\ \frac{2 - 4x}{5} &= 3 \\ 2 - 4x &= 15 \\ -4x &= 12 \\ x &= \frac{12}{-4} \\ \boxed{x = -3} \end{aligned}$$

test B

$$\begin{aligned} \textcircled{1} \quad -5x - 1 &= 3 \\ -5x &= 3 + 1 \\ -5x &= 4 \\ \boxed{x = -\frac{4}{5}} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 3x + 8 &= -2 + 4x \\ 3x - 4x &= -2 + 4x - 8 \\ 3x - 4x &= -10 \\ -x &= -10 \\ \boxed{x = 10} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad \frac{2 - 3x}{4} &= -5 \\ 2 - 3x &= -20 \\ -3x &= -22 \\ x &= \frac{-22}{-3} \\ \boxed{x = \frac{22}{3}} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 1 + \frac{4x}{3} &= -2 \\ \frac{4x}{3} &= -3 \\ 4x &= -9 \\ \boxed{x = -\frac{9}{4}} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad \frac{2x}{7} - 1 &= \frac{4}{3} \\ \frac{2x}{7} &= \frac{4}{3} + 1 \\ \frac{2x}{7} &= \frac{7}{3} \\ 2x &= \frac{7}{3} \times 7 \\ 2x &= \frac{49}{3} \\ x &= \frac{49}{3} : 2 \\ x &= \frac{49}{3} \times \frac{1}{2} \\ \boxed{x = \frac{49}{6}} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 3 - \frac{2 - 3x}{4} &= -2 \\ -\frac{2 - 3x}{4} &= -5 \\ \frac{2 - 3x}{4} &= 5 \\ 2 - 3x &= 20 \\ -3x &= 18 \\ x &= -\frac{18}{3} \\ \boxed{x = -6} \end{aligned}$$