

$$\begin{aligned} \textcircled{c} \quad 15 - (-8 - 3x) &= 2(4x - 8(3 - x)) \\ 15 + 8 + 3x &= 2(4x - 24 + 8x) \\ 23 + 3x &= 2(12x - 24) \\ 23 + 3x &= 24x - 48 \\ \begin{array}{r} -3x \quad -3x \\ \hline 23 = 21x - 48 \\ 48 \quad +48 \\ \hline 71 = 21x \\ 21 \quad 21 \\ \hline 3\frac{8}{21} = x \end{array} \end{aligned}$$

$$\begin{aligned} 5x &= 2 - (5 - x + 3(4 - x)) \\ 5x &= 2 - (5 - x + 12 - 3x) \\ 5x &= 2 - (17 - 4x) \\ 5x &= 2 - 17 + 4x \\ 5x &= -15 + 4x \\ \begin{array}{r} -4x \quad -4x \\ \hline x = -15 \end{array} \end{aligned}$$

$$\begin{aligned} 4 - 2x &= 17x - 4(3x - 5) \\ 4 - 2x &= 17x - 12x + 20 \\ 4 - 2x &= 5x + 20 \\ \begin{array}{r} +2x \quad 2x \\ \hline 4 = 7x + 20 \\ -20 \quad -20 \\ \hline -16 = 7x \\ \frac{-16}{7} \quad \frac{7}{7} \\ -2\frac{2}{7} = x \end{array} \end{aligned}$$

$$\begin{aligned} \textcircled{j} \quad 4(2x + 5) - 9x &= -(4 - 12x) \\ 8x + 20 - 9x &= -4 + 12x \\ 20 - x &= -4 + 12x \\ \begin{array}{r} +x \quad +x \\ \hline 20 = -4 + 13x \\ +4 \quad +4 \\ \hline 24 = 13x \\ 13 \quad 13 \\ \hline 1\frac{1}{3} = x \end{array} \end{aligned}$$

$$\begin{aligned} 3\frac{1}{3} - \frac{7}{8} + 3x &= 2x + \frac{7}{8} \\ \begin{array}{r} -2x \quad -2x \\ \hline 3\frac{1}{3} - \frac{7}{8} + x = \frac{7}{8} \\ -3\frac{1}{3} + \frac{7}{8} \quad -3\frac{1}{3} + \frac{7}{8} \\ \hline x = -1\frac{1}{12} \end{array} \end{aligned}$$

$$\begin{aligned} 10x - 100 &= 100x - 10 \\ \begin{array}{r} -10x \quad -10x \\ \hline -100 = 90x - 10 \\ +10 \quad +10 \\ \hline -90 = 90x \\ \frac{-90}{90} \quad \frac{90}{90} \\ -1 = x \end{array} \end{aligned}$$

$$\begin{aligned} \frac{7}{8} + \frac{7}{8} - 1\frac{1}{8} &= 1\frac{3}{4} \\ \frac{2\frac{1}{3}}{1\frac{3}{4}} - \frac{1\frac{1}{2}}{1\frac{1}{2}} - \frac{1\frac{1}{2}}{1\frac{1}{2}} &= 1\frac{7}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{k} \quad 3x - (2x + 7) &= 4x + 2 \\ 3x - 2x - 7 &= 4x + 2 \\ x - 7 &= 4x + 2 \\ \begin{array}{r} -x \quad -x \\ \hline -7 = 3x + 2 \\ -2 \quad -2 \\ \hline -9 = 3x \\ \frac{-9}{3} \quad \frac{3}{3} \\ -3 = x \end{array} \end{aligned}$$

$$\begin{aligned} 8(5x - 2) &= 5(2 - 3x) \\ 40x - 16 &= 10 - 15x \\ \begin{array}{r} +15x \quad +15x \\ \hline 55x - 16 = 10 \\ +16 \quad 16 \\ \hline 55x = 26 \\ \frac{55}{55} \quad \frac{26}{55} \\ x = \frac{26}{55} \end{array} \end{aligned}$$

$$\begin{aligned} \textcircled{l} \quad 23x - (28x + 71) &= 42x + 52 \\ 23x - 28x - 71 &= 42x + 52 \\ -5x - 71 &= 42x + 52 \\ \begin{array}{r} 5x \quad 5x \\ \hline -71 = 47x + 52 \\ -52 \quad -52 \\ \hline -123 = 47x \\ \frac{-123}{47} \quad \frac{47}{47} \\ x = -2\frac{29}{47} \end{array} \end{aligned}$$

$$\begin{aligned} 9x - 3x - 15 &= 4x + 5(2x - 7) \\ 6x - 15 &= 4x + 10x - 35 \\ 6x - 15 &= 14x - 35 \\ \begin{array}{r} -6x \quad -6x \\ \hline -15 = 8x - 35 \\ 35 \quad +35 \\ \hline 20 = 8x \\ \frac{20}{8} \quad \frac{8}{8} \\ x = 2\frac{1}{2} \end{array} \end{aligned}$$