

$$\begin{aligned} \text{S. 58/10a} \quad 7x + 10 &> 2x - 5 \quad / -2x - 10 \\ 5x &> -15 \quad / :5 \\ x &> -3 \quad \mathbb{L} = \{x/x > -3\} = ]-3; \infty[ \end{aligned}$$

$$\begin{aligned} 10b, \quad -3 - \frac{3}{4}x &\leq \frac{1}{4}x \quad / + \frac{3}{4}x \\ -3 &\leq x \quad \mathbb{L} = \{x/x \geq -3\} = [-3; \infty[ \end{aligned}$$

$$\begin{aligned} 10c, \quad -14 - \frac{5}{4}u &> -\frac{3}{8}u - 21 \quad / + \frac{10}{8}u + 21 \\ 7 &> \frac{7}{8}u \quad / : \frac{7}{8} \\ \frac{7 \cdot 8}{7} &> u \quad (\Leftrightarrow) \quad u < 8 \quad \mathbb{L} = ]-\infty; 8[ \end{aligned}$$

$$\begin{aligned} 10d, \quad -20 < 7x + 1 &\leq 85 \quad / -1 \\ -21 < 7x &\leq 84 \quad / :7 \\ -3 < x &\leq 12 \\ \mathbb{L} &= ]-3; 12] \end{aligned}$$

$$\begin{aligned} 10e, \quad -\frac{1}{4}(4 + 4y) &\leq \frac{1}{2}(y - 1) \\ -1 - y &\leq \frac{1}{2}y - \frac{1}{2} \quad / + y + \frac{1}{2} \\ -\frac{1}{2} &\leq \frac{3}{2}y \quad / \cdot \frac{2}{3} \\ -\frac{1 \cdot 2}{2 \cdot 3} &\leq y \quad (\Leftrightarrow) \quad y \geq -\frac{1}{3} \quad \mathbb{L} = [-\frac{1}{3}; \infty[ \end{aligned}$$

$$\begin{aligned} 10f, \quad 22x - 21 - 20x &< -13 + 20 - 5x \\ 2x - 21 &< 7 - 5x \quad / + 5x + 21 \\ 7x &< 28 \quad / :7 \\ x &< 4 \quad \mathbb{L} = ]-\infty; 4[ \end{aligned}$$