

$$\begin{array}{l}
 1 \quad 5 - x = 25 + 3x - 4 \quad \text{jede Seite vereinfachen} \\
 \quad 5 - x = 21 + 3x \\
 5 - x + x - 21 = 21 + 3x + x - 21 \quad \text{auf beiden Seiten } x - 21 \text{ addieren} \\
 \quad -16 = 4x \quad \text{beide Seiten durch 4 dividieren} \\
 \quad -4 = x
 \end{array}$$

$$\begin{array}{l}
 2 \quad 16 + 2x = 56 - 8x - 20 \\
 \quad 16 + 2x = 36 - 8x \quad \left| +8x - 16 \right. \\
 16 + 2x + 8x - 16 = 36 - 8x + 8x - 16 \\
 \quad 10x = 20 \quad \left| :10 \right. \\
 \quad x = 2
 \end{array}$$

$$\begin{array}{l}
 3 \quad 2x - 22 - 9x = 42 + 11x - 100 \\
 \quad -7x - 22 = 11x - 58 \quad \left| +7x + 58 \right. \\
 -7x - 22 + 7x + 58 = 11x - 58 + 7x + 58 \\
 \quad 36 = 18x \quad \left| :2 \right. \\
 \quad 2 = x
 \end{array}$$

$$\begin{array}{l}
 4 \quad 19x - 32 + 17x = 18x - 30 + 16x - 3 \\
 \quad 36x - 32 = 34x - 33 \quad \left| +32 - 34x \right. \\
 36x - 32 + 32 - 34x = 34x - 33 + 32 - 34x \\
 \quad 2x = -1 \quad \left| :2 \right. \\
 \quad x = -\frac{1}{2}
 \end{array}$$

$$\begin{array}{l}
 5 \quad 9x - 11 - 3x = 4x + 12 - 3x \\
 \quad 6x - 11 = x + 12 \quad \left| +11 - x \right. \\
 6x - 11 + 11 - x = x + 12 + 11 - x \\
 \quad 5x = 23 \quad \left| :5 \right. \\
 \quad x = 4.6
 \end{array}$$

$$\begin{array}{l}
 6 \quad 105 - 72x - 53 - 69 = 65x + 43x - 18 - 5 \\
 \quad -72x - 17 = 108x - 23 \quad \left| +72x + 23 \right. \\
 -72x - 17 + 72x + 23 = 108x - 23 + 72x + 23 \\
 \quad 6 = 180x \quad \left| :180 \right. \\
 \quad \frac{1}{30} = x
 \end{array}$$