

Löse nach x auf

1) $x + 2 = 6$

2) $x + 3 = 13$

3) $4 + x = 7$

4) $7 + x = -28$

5) $x - 6 = 12$

6) $x - 3 = 18$

7) $-5 + x = 19$

8) $9 - x = 34$

9) $-3 - x = 12$

10) $4 - x = -13$

Lösung

$$\begin{aligned} 1) \quad x + 2 &= 6 \mid -2 \\ x + 2 - 2 &= 6 - 2 \\ x &= 4 \end{aligned}$$

$$\begin{aligned} 2) \quad x + 3 &= 13 \mid -3 \\ x + 3 - 3 &= 13 - 3 \\ x &= 10 \end{aligned}$$

$$\begin{aligned} 3) \quad 4 + x &= 7 \mid -4 \\ 4 + x - 4 &= 7 - 4 \\ x &= 3 \end{aligned}$$

$$\begin{aligned} 4) \quad 7 + x &= -28 \mid -7 \\ 7 + x - 7 &= -28 - 7 \\ x &= -35 \end{aligned}$$

$$\begin{aligned} 5) \quad x - 6 &= 12 \mid +6 \\ x - 6 + 6 &= 12 + 6 \\ x &= 18 \end{aligned}$$

$$\begin{aligned} 6) \quad x - 3 &= 18 \mid +3 \\ x - 3 + 3 &= 18 + 3 \\ x &= 21 \end{aligned}$$

$$\begin{aligned} 7) \quad -5 + x &= 19 \mid +5 \\ -5 + x + 5 &= 19 + 5 \\ x &= 24 \end{aligned}$$

$$\begin{aligned} 8) \quad 9 - x &= 34 \mid -9 \\ 9 - x - 9 &= 34 - 9 \\ -x &= 25 \mid \cdot (-1) \\ x &= -25 \end{aligned}$$

$$\begin{aligned} 9) \quad -3 - x &= 12 \mid +3 \\ -3 - x + 3 &= 12 + 3 \\ -x &= 15 \mid \cdot (-1) \\ x &= -15 \end{aligned}$$

$$\begin{aligned} 10) \quad 4 - x &= -13 \mid -4 \\ 4 - x - 4 &= -13 - 4 \\ -x &= -17 \mid \cdot (-1) \\ x &= 17 \end{aligned}$$