

Löse die Gleichungen nach x auf.

1. $6x = 12$

$$\begin{aligned} 6x &= 12 \quad |:6 \\ x &= 2 \end{aligned}$$

$$L = \{2\}$$

2. $4x = 16$

$$\begin{aligned} 4x &= 16 \quad |:4 \\ x &= 4 \end{aligned}$$

$$L = \{4\}$$

3. $3x = -12$

$$\begin{aligned} 3x &= -12 \quad |:3 \\ x &= -4 \end{aligned}$$

$$L = \{-4\}$$

4. $-1x = 5$

$$\begin{aligned} -1x - 5 &= 0 \quad |+5 \\ -1x &= 5 \quad |:(-1) \\ x &= -5 \\ L &= \{-5\} \end{aligned}$$

5. $-1x = 5$

$$\begin{aligned} -1x - 5 &= 0 \quad |+5 \\ -1x &= 5 \quad |:(-1) \\ x &= -5 \\ L &= \{-5\} \end{aligned}$$

$$\begin{array}{l} 6. \quad 6x = 6x \\ \quad \quad \quad 6x = 6x \quad |:6 \\ \quad \quad \quad x = x \\ \quad \quad \quad L = R \end{array}$$

$$\begin{array}{l} 7. \quad 8 = 2 \\ \quad \quad \quad 8 = 2 \\ \quad \quad \quad L = \{ \} \end{array}$$

$$\begin{array}{l} 8. \quad 1x + 5 = 3 \\ \quad \quad \quad 1x + 5 = 3 \quad |-5 \\ \quad \quad \quad x = -2 \\ \quad \quad \quad L = \{-2\} \end{array}$$