

Einfache Gleichungen II

(G-Kurs) (LÖSUNG)



$$\begin{aligned} 1) \quad 9x + 4 &= 31 + 6x & | -6x \\ 3x + 4 &= 31 & | -4 \\ 3x &= 27 & | :3 \\ x &= 9 \end{aligned}$$

$$\begin{aligned} 2) \quad 6x + 6 &= 9x - 21 & | -6x \\ 6 &= 3x - 21 & | +21 \\ 27 &= 3x & | :3 \\ 9 &= x \end{aligned}$$

$$\begin{aligned} 3) \quad 9 + 5x &= 5 + 9x & | -5x \\ 9 &= 5 + 4x & | -5 \\ 4 &= 4x & | :4 \\ 1 &= x \end{aligned}$$

$$\begin{aligned} 4) \quad 9x + 9 &= 37 + 2x & | -2x \\ 7x + 9 &= 37 & | -9 \\ 7x &= 28 & | :7 \\ x &= 4 \end{aligned}$$

$$\begin{aligned} 5) \quad 5 + 5x &= 37 + x & | -x \\ 5 + 4x &= 37 & | -5 \\ 4x &= 32 & | :4 \\ x &= 8 \end{aligned}$$

$$\begin{aligned} 6) \quad 1 + 3x &= 6x - 8 & | -3x \\ 1 &= 3x - 8 & | +8 \\ 9 &= 3x & | :3 \\ 3 &= x \end{aligned}$$

$$\begin{aligned} 7) \quad 3 + 7x &= 9x - 3 & | -7x \\ 3 &= 2x - 3 & | +3 \\ 6 &= 2x & | :2 \\ 3 &= x \end{aligned}$$

$$\begin{aligned} 8) \quad 8x + 6 &= 5 + 9x & | -8x \\ 6 &= 5 + x & | -5 \\ 1 &= x \end{aligned}$$