

Löse die Gleichungen nach x auf.

1.	$6x + 1 = 31$	$6x + 1 = 31 \quad -1$ $6x = 30 \quad :6$ $x = 5$ $L = \{5\}$	$6x + 1 = 31 \quad -1$ $6x = 30 \quad :6$ $x = 5$ $L = \{5\}$
2.	$6x - 1 = 23$		$6x - 1 = 23 \quad +1$ $6x = 24 \quad :6$ $x = 4$ $I = \{4\}$
3.	$6x + 2 = -28$		$6x + 2 = -28 \quad -2$ $6x = -30 \quad :6$ $x = -5$ $I = \{-5\}$
4.	$-2x - 6 = -4$		$-2x - 6 = -4 \quad +6$ $-2x = 2 \quad :(-2)$ $x = -1$ $L = \{-1\}$ $-2x = 2 \quad :(-2)$ $x = -1$ $L = \{-1\}$
5.	$6x + 6 = 6x + 6$		$6x + 6 = 6x + 6 \quad -6$ $6x = 6x \quad :6$ $x = x$ $I = R$
6.	$3(x + 6) = 3x + 3$		$3(x + 6) = 3x + 3 \quad T$ $3x + 18 = 3x + 3 \quad -3x$ $18 = 3$ $I = \{\}$
7.	$-5x + 2 = -2 - 6x$		$-5x + 2 = -2 - 6x \quad +6x$ $x + 2 = -2 \quad -2$ $x = -4$ $L = \{-4\}$
8.	$-4x + 3 = 2 - 5x$		$-4x + 3 = 2 - 5x \quad +5x$ $x + 3 = 2 \quad -3$ $x = -1$ $I = \{-1\}$