

Löse die Gleichungen nach x auf.

1.	$5x + 5 = 15$	$5x + 5 = 15 \quad  -5$ $5x = 10 \quad  :5$ $x = 2$ $L = \{2\}$	$5x + 5 = 15 \quad  -5$ $5x = 10 \quad  :5$ $x = 2$ $L = \{2\}$
2.	$4x - 2 = 18$	$4x - 2 = 18 \quad  +2$ $4x = 20 \quad  :4$ $x = 5$ $L = \{5\}$	$4x - 2 = 18 \quad  +2$ $4x = 20 \quad  :4$ $x = 5$ $L = \{5\}$
3.	$6x + 2 = -4$	$6x + 2 = -4 \quad  -2$ $6x = -6 \quad  :6$ $x = -1$ $L = \{-1\}$	$6x + 2 = -4 \quad  -2$ $6x = -6 \quad  :6$ $x = -1$ $L = \{-1\}$
4.	$-5x - 5 = -5$	$-5x - 5 = -5 \quad  +5$ $-5x = 0 \quad  :(-5)$ $x = 0$ $L = \{0\}$	$-5x - 5 = -5 \quad  +5$ $-5x = 0 \quad  :(-5)$ $x = 0$ $L = \{0\}$
5.	$3x + 3 = 3x + 3$	$3x + 3 = 3x + 3 \quad  -3$ $3x = 3x \quad  :3$ $x = x$ $L = R$	$3x + 3 = 3x + 3 \quad  -3$ $3x = 3x \quad  :3$ $x = x$ $L = R$
6.	$3(x + 6) = 3x + 2$	$3(x + 6) = 3x + 2 \quad  T$ $3x + 18 = 3x + 2 \quad  -3x$ $18 = 2$ $L = \{ \}$	$3(x + 6) = 3x + 2 \quad  T$ $3x + 18 = 3x + 2 \quad  -3x$ $18 = 2$ $L = \{ \}$
7.	$-2x + 6 = 2 - 3x$	$-2x + 6 = 2 - 3x \quad  +3x$ $x + 6 = 2 \quad  -6$ $x = -4$ $L = \{-4\}$	$-2x + 6 = 2 - 3x \quad  +3x$ $x + 6 = 2 \quad  -6$ $x = -4$ $L = \{-4\}$
8.	$-1x + 3 = 0 - 2x$	$-1x + 3 = 0 - 2x \quad  +2x$ $x + 3 = 0 \quad  -3$ $x = -3$ $L = \{-3\}$	$-1x + 3 = 0 - 2x \quad  +2x$ $x + 3 = 0 \quad  -3$ $x = -3$ $L = \{-3\}$