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. $4x - 2 = 18$

$4x - 2 = 18 \quad |+2$
$4x = 20 \quad |:4$
$x = 5$
$L = \{5\}$

3. $6x + 2 = -4$

$6x + 2 = -4 \quad |-2$
$6x = -6 \quad |:6$
$x = -1$
$L = \{-1\}$

4. $-5x - 5 = -5$

$-5x - 5 = -5 \quad |+5$
$-5x = 0 \quad |:(-5)$
$x = 0$
$L = \{0\}-5x = 0 \quad |:(-5)$
$x = 0$
$L = \{0\}$

5. $3x + 3 = 3x + 3$

$3x + 3 = 3x + 3|-3$
$3x = 3x \quad |:3$
$x = x$
$L = R$

6. $3(x + 6) = 3x + 2$

$3(x + 6) = 3x + 2|T$
$3x + 18 = 3x + 2|-3x$
$18 = 2$
$L = \{\ \}$

7. $-2x + 6 = 2 - 3x$

$-2x + 6 = 2 - 3x|+3x$
$x + 6 = 2 \quad |-6$
$x = -4$
$L = \{-4\}$

8. $-1x + 3 = 0 - 2x$

$-1x + 3 = 0 - 2x|+2x$
$x + 3 = 0 \quad |-3$
$x = -3$
$L = \{-3\}$