

Gleichungen - Lösungen

605 a) $26 + 4 - x = 10$
 $x = 20$

d) $3 + 2x - 1 - x = 20$
 $x = 18$

606 a) $-3x - 6 + 16x = 20$
 $13x = 26$
 $x = 2$

d) $3x + 12 - x = 4x$
 $12 = 2x$
 $x = 6$

607 a) $x - x + 9 = 3x + 5 - x$
 $4 = 2x$
 $x = 2$

d) $2x + 2 + 2x = 2x + 17 - x$
 $3x = 15$
 $x = 5$

608 a) $24 + 20x = 50$
 $20x = 26$
 $x = 1\frac{3}{10}$

d) $30x - 60 = 3$
 $30x = 63$
 $x = 2\frac{1}{10}$

609 a) $4x + 16 = 116x - 72 - 68x$
 $88 = 44x$
 $x = 2$

d) $20 - 8x = 10 - 10x$
 $2x = -10$
 $x = -5$

610 a) $34x + 51 = 306$
 $34x = 255$
 $x = 7\frac{1}{2}$

d) $-6x = 4x - 50$
 $-10x = -50$
 $x = 5$

611 a) $4 - 7x = 1 - 12 + 8x$
 $15 = 15x$
 $x = 1$

d) $16 - 2 - 5b = 4 - 3b$
 $10 = 2b$
 $b = 5$

612 a) $4x - 8 = 12x - 9 - 4 + 2x$
 $5 = 10x$
 $x = \frac{1}{2}$

c) $9 - 6 + 2x = 7x - 3x + 12$
 $-9 = 2x$
 $x = -4\frac{1}{2}$

b) $12 + 12x + 8 = 44$
 $12x = 24$
 $x = 2$

e) $8x - 5 - 3x = 0$
 $5x = 5$
 $x = 1$

b) $19x - 8 + 31x = 142$
 $50x = 150$
 $x = 3$

e) $2x - x - 6 = 7$
 $x = 13$

b) $8 - 2x - 4 = 8 - 3x - 2$
 $x + 4 = 6$
 $x = 2$

e) $4x - 13 - 5x = 5 - 6x - 3$
 $5x = 15$
 $x = 3$

b) $8x - 16 = 12$
 $8x = 28$
 $x = 3\frac{1}{2}$

e) $15x - 70 = -58$
 $15x = 12$
 $x = \frac{4}{5}$

b) $7,5x + 7,5 = 90 + 4,5x$
 $3x = 82,5$
 $x = 27,5$

e) $2x + 2 = 4x - 28$
 $30 = 2x$
 $x = 15$

b) $148,8x + 31 = 179,8$
 $148,8x = 148,8$
 $x = 1$

e) $9x - 39 = 13,5x - 48$
 $9 = 4,5x$
 $x = 2$

b) $5a - 1 - 8a = 5$
 $-3a = 6$
 $a = -2$

c) $16x + 9 - 4 = 21$
 $16x = 16$
 $x = 1$

f) $90 - 12 + 8x = 150$
 $8x = 72$
 $x = 9$

c) $x - 4x - 14 = -35$
 $-3x = -21$
 $x = 7$

f) $2x - x + 2 = 38$
 $x = 36$

c) $2x - x - 1 = 1$
 $x = 2$

f) $6 - 2x + 3 = x - 4 - 4x$
 $x = -13$

c) $21x - 105 = 10,5$
 $21x = 115,5$
 $x = 5,5$

f) $-49 + 56x = -105$
 $56x = -56$
 $x = -1$

c) $-16x + 24 = -40$
 $-16x = -64$
 $x = 4$

f) $18x + 24 = 12 + 17x$
 $x = -12$

c) $26x + 52 = 27x + 12$
 $x = 40$

f) $20 - 3x + 21 = 29 - x$
 $12 = 2x$
 $x = 6$

c) $y + 11 = 9y - 3y - 4$
 $15 = 5y$
 $y = 3$

b) $4x + 4 - 12x + 6 = 1 - 5x$
 $9 = 3x$
 $x = 3$

d) $2x + 30 - 12x - 20 = 36 - 6x + 18$
 $-44 = 4x$
 $x = -11$