

LÖSUNG

1 Löse die Gleichung.

a) $5x - 3 = 12$ | +3
 $\underline{5x = 15}$ | :5
 $x = \underline{3}$

b) $8x + 12 = 44$ | -12
 $\underline{8x = 32}$ | :8
 $x = \underline{4}$

c) $10x - 9 = 51$ | +9
 $\underline{10x = 60}$ | :10
 $x = \underline{6}$

d) $2x - 9 = 13$ | +9
 $\underline{2x = 22}$ | :2
 $x = \underline{11}$

e) $7x + 11 = 60$ | -11
 $\underline{7x = 49}$ | :7
 $x = \underline{7}$

f) $11x - 15 = 73$ | +15
 $\underline{11x = 88}$ | :11
 $x = \underline{8}$

g) $4x - 19 = 25$ | +19
 $\underline{4x = 44}$ | :4
 $x = \underline{11}$

h) $15x + 33 = 48$ | -33
 $\underline{15x = 15}$ | :15
 $x = \underline{1}$

i) $20x - 44 = 56$ | +44
 $\underline{20x = 100}$ | :20
 $x = \underline{5}$

2 Löse die Gleichung.

a) $4x - 3 = 2x + 11$ | -2x
 $\underline{2x - 3 = 11}$ | +3
 $\underline{2x = 14}$ | :2
 $x = \underline{7}$

b) $7x + 4 = 4x + 16$ | -4x
 $\underline{3x + 4 = 16}$ | -4
 $\underline{3x = 12}$ | :3
 $x = \underline{4}$

c) $9x - 9 = 5x + 11$ | -5x
 $\underline{4x - 9 = 11}$ | +9
 $\underline{4x = 20}$ | :4
 $x = \underline{5}$

d) $11x - 3 = 3x + 5$ | -3x
 $\underline{8x - 3 = 5}$ | +3
 $\underline{8x = 8}$ | :8
 $x = \underline{1}$

e) $18x + 1 = 7x + 23$ | -7x
 $\underline{11x + 1 = 23}$ | -1
 $\underline{11x = 22}$ | :11
 $x = \underline{2}$

f) $12x - 7 = 3x + 47$ | -3x
 $\underline{9x - 7 = 47}$ | +7
 $\underline{9x = 54}$ | :9
 $x = \underline{6}$

g) $15x - 34 = 3x + 62$ | -3x
 $\underline{12x - 34 = 62}$ | +34
 $\underline{12x = 96}$ | :12
 $x = \underline{8}$

h) $17x + 2 = 6x + 68$ | -6x
 $\underline{11x + 2 = 68}$ | -2
 $\underline{11x = 66}$ | :11
 $x = \underline{6}$

i) $13x - 31 = 4x + 68$ | -4x
 $\underline{9x - 31 = 68}$ | +31
 $\underline{9x = 99}$ | :9
 $x = \underline{11}$

k) $22x + 15 = 3x + 53$ | -3x
 $\underline{19x + 15 = 53}$ | -15
 $\underline{19x = 38}$ | :19
 $x = \underline{2}$

l) $23x - 64 = 12x - 9$ | -12x
 $\underline{11x - 64 = -9}$ | +64
 $\underline{11x = 55}$ | :11
 $x = \underline{5}$

m) $19x - 74 = 2x - 23$ | -2x
 $\underline{17x - 74 = -23}$ | +74
 $\underline{17x = 51}$ | :17
 $x = \underline{3}$