Löse die Gleichungen!

Achte dabei auf die Vorrangregeln!

1. a) 6x+(5x-3) = 41   b) 2x-(8x+28)= -70   c) 14x – (9x-67) =82

2. a) 16-(2x+12)=4+(8x+20)   b) 3-(2x+1)=14-(x-15)   c) 3x-(5-2x)=15

3. a) 138 – [13x+(35-17x)] = 155 – (3x -32)
   b) 5x + [4 – (11x+93)] =19 – [(33+37x) - 6x

4. a) 2x – [11+2x-(5x+7)] = x – 8
   b) 4x – [2x+12-(5-3x)] = 14 – (3x-7)

5. a) 10 – (13 – x) = 120   b) 8 · (25 – 2x) = 88
   c) 15 · (8x +12) = - 60   d) 2 · (9 – x) + 1 = 5

6. a) 6 (4 – 2x) + 1 = 13   b) 4 (9 – x) + 1 = 5
   c) 275 (11x + 66) = 0   d) 16 (2x + 7 = 0

7. a) 15 – 3(2x – 1) = 16(x+1) – 2(x-1)   b) 23(x – 11) – 5(x – 40) = 106 – (2x + 53)

8. a) 15(3x -3) + 12(x+1) – 25(x-3) = - 92   b) 9x – 3(x – 2) = 20 – 2(x – 5)

9. a)12x – 2(x – 12 + 6x) – 4(2x – 6) = x – 7   b) 20 + 4(x – 1) – 5x +2(x + 1) = 0