

# Zásady pre počítanie rovníc som Vám vysvetlil!

Teraz je potrebná len Vaša **TRPEZLIVOSŤ!**

1.  $(x + 1)(x - 2) = (x - 3)(x + 4)$
2.  $3u^2 - (3u + 2)(u - 1) = 8$
3.  $(y + 1)(y + 2) - (y - 3)(y + 4) = 6$
4.  $(3z - 1)(2z + 7) - 16 = (z + 1)(6z - 5)$
5.  $(3x - 2)(2x + 3) - (6x^2 - 85) = 99$
6.  $r(7r + 21) = 7(r + 1)^2$
7.  $-(x - 2)^2 = 16 - x^2$
8.  $(m - 3)^2 = 10 + (m - 5)(m - 2)$
9.  $(3p + 5)(3p - 5) - (3p - 1)^2 = 10$
10.  $(x + 5)(x + 2) - 3(4x - 3) = (x - 5)^2$
11.  $(v + 2)(v + 8) = (v - 10)^2$
12.  $(x - 3)(x + 4) - 2(3x - 2) = (x - 4)^2$
13.  $z(z + 3)^2 + 8 = z(1 - z)^2 + 8z^2$
14.  $(x + 2)(x - 1)^2 = x(x^2 - 4) + 4$
15.  $3(x - 1)^2 - 3x(x - 5) = 21$
16.  $4m(m - 1) - (2m + 5)(2m - 5) = 1$
17.  $5x - 3(x - 4) - [2x - (x + 5) + 8] = 0$
18.  $1,3(x - 0,7) - 0,12(x + 10) - 5x = -9,75$
19.  $t^2 - (t - 2)^2 = 16$
20.  $-3x(x - 5) - 21 = -3(x - 1)^2$
21.  $(3x - 5)(3x + 5) - (3x - 1)^2 - 10 = 0$
22.  $2(2x + 1)^2 - 8(x + 1)(x - 1) = 34$
23.  $(x + 5)^2 - (x - 1)^2 = 48$
24.  $x - 3[x - 5(x - 4)] = 10(x - 3)$
25.  $x - 4[x - 2(x + 6)] = 5x + 3$
26.  $3x - 2[x - 3(x + 1)] + 4[x + 2(x + 1)] = 19x + 14$
27.  $10x - \{6x - 2[3x - 4(1 - x)] - (9x - 8)\} = 27$
28.  $(5x - 4)^2 - (5 - 3x)^2 = (3 - 4x)^2$
29.  $(6y - 1)^2 - (3y + 3)^2 - 2(y^2 - 1) = (5y - 2)^2$
30.  $(2z - 3)^2 + (3z - 4)^2 + (4z - 5)^2 = 29z^2 - 26$
31.  $(2x - 5)(8x - 1) - (4x - 3)^2 = 12(x - 1) - 7$
32.  $(x + 2)^2 = 2x^2 - 3x + 6 - x(x - 3)$
33.  $5y - \{3y - 4[3y - y(2 - 3y)] + 3(1 - 2y)^2\} = 53$
  
34.  $\frac{7x - 1}{3} - \frac{5 + 3x}{2} = 5x - 6$
35.  $\frac{t + 5}{3} - \frac{t}{2} - \frac{t - 2}{3} - \frac{t - 3}{2}$
36.  $\frac{6 + 25x}{15} - (x - 1) - \frac{2x}{3} + \frac{7}{5}$
37.  $\frac{3 + 2x}{6} - \frac{7}{6} - 5x - \frac{12x - 1}{3}$
38.  $\frac{5x + 1}{6} - \frac{7x - 3}{8} - 1 - \frac{3x - 1}{4}$
39.  $\frac{9(2x - 9)}{13} + \frac{x - 4}{5} - \frac{7}{5}(3x - 2) - (3x - 5)$
40.  $\frac{6(x - 1)}{5} - \frac{3(1 - 2x)}{2} - 0,3(14x - 9)$