

stran/nal.	razstavljanje
ŠT 7/ 8	$5a - 5b = 5(a - b)$
ŠT 7/ 9	$ab + ac = a(b + c)$
ŠT 7/ 10	$\frac{1}{3}ax - \frac{1}{3}ay = \frac{1}{3}a(x - y)$
ŠT 7/ 11	$0,2ab + \frac{3}{5}a = \frac{1}{5}ab + \frac{3}{5}a = \frac{1}{5}a(b + 3)$
ŠT 7/ 12	$3a^2 + 6ab = 3a(a + 2b)$
ŠT 7/ 13	$21xy - 14xz = 7x(3y - 2z)$
ŠT 7/ 14	$24a^3 + 8a^2 = 8a^2(3a + 1)$
ŠT 7/ 15	$4a^4 - 8a^3 + 12a^2 = 4a^2(a^2 - 2a + 3)$
ŠT 7/ 16	$33ab^2 - 22a^2b^3 + 44a^3b = 11ab(3b - 2ab^2 + 4a^2) =$ $= 11ab(4a^2 - 2ab^2 + 3b)$
ŠT 7/ 17	$x^{n-1} + x^{n+1} = x^{n-1}(1 + x^2)$
ŠT 7/ 18	$a(x - 1) - b(x - 1) = (a - b)(x - 1)$
ŠT 7/ 19	$a(x + y) - b(x + y) + c^2(x + y) = (a - b + c^2)(x + y)$
ŠT 7/ 20	$2a(1 - 2x) + 1 - 2x = 2a(1 - 2x) + (1 - 2x) = (2a + 1)(1 - 2x)$
ŠT 7/ 21	$3x(a - b) - a + b = 3x(a - b) - (a - b) = (a - b)(3x - 1)$
ŠT 7/ 22	$(x + y)(x - y) - 2x + 2y = (x + y)(x - y) - 2(x - y) =$ $= (x - y)(x + y - 2)$
ŠT 7/ 23	$a(1 - x) - 2b(x - 1) = a(1 - x) + 2b(1 - x) = (a + 2b)(1 - x)$
ŠT 7/ 24	$a - 2 - n(a - 2)^2 = (a - 2) - n(a - 2)^2 = (a - 2)[1 - n(a - 2)]$
ŠT 7/ 25	$ax - bx + ay - by = (a - b)x + (a - b)y = (a - b)(x + y)$
ŠT 7/ 26	$x^2 + bx - ax - ab = x(x + b) - a(x + b) = (x - a)(x + b)$
ŠT 7/ 27	$14ab^2 - 10a^3 + 5a^2b - 7b^3 = 2a(7b^2 - 5a^2) - b(7b^2 - 5a^2) =$ $= (2a - b)(7b^2 - 5a^2)$
ŠT 7/ 28	$ax^2 - bx^2 + ax - cx^2 - bx - cx = ax^2 - bx^2 - cx^2 + ax - bx - cx =$ $= x^2(a - b - c) + x(a - b - c) = (x^2 + x)(a - b - c) =$ $= x(x + 1)(a - b - c)$
ŠT 7/ 29	$9x^2 - 1 = (3x + 1)(3x - 1)$

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ŠT 7/30	$25a^2 - 36b^2 = (5a + 6b)(5a - 6b)$
ŠT 7/31	$125^2 - 25^2 = (125 + 25)(125 - 25) = 150 \cdot 100 = 15000$
ŠT 8/32	$a^2 - 0,49b^2 = (a + 0,7b)(a - 0,7b)$
ŠT 8/33	$1 - 16y^4 = (1 + 4y^2)(1 - 4y^2) = (1 + 4y^2)(1 + 2y)(1 - 2y)$
ŠT 8/34	$81m^4 - \frac{1}{16}n^4 = (9m^2 + \frac{1}{4}n^2)(9m^2 - \frac{1}{4}n^2) =$ $= (9m^2 + \frac{1}{4}n^2)(3m + \frac{1}{2}n)(3m - \frac{1}{2}n)$
ŠT 8/35	$5x^3y^2 - 20xy^4 = 5xy^2(x^2 - 4y^2) = 5xy^2(x + 2y)(x - 2y)$
ŠT 8/36	$\frac{2}{9}ab^3 - \frac{8}{25}a^3b = 2ab(\frac{1}{9}b^2 - \frac{4}{25}a^2) = 2ab(\frac{1}{3}b + \frac{2}{5}a)(\frac{1}{3}b - \frac{2}{5}a)$
ŠT 8/37	$(a + b)^2 - c^2 = (a + b + c)(a + b - c)$
ŠT 8/38	$(a + b)^2 - (c + d)^2 = ((a + b) + (c + d))((a + b) - (c + d)) =$ $(a + b + c + d)(a + b - c - d)$
ŠT 8/39	$(a + b - c)^2 - (a - b + c)^2 =$ $= (a + b - c + a - b + c)(a + b - c - a + b - c) = 2a(2b - 2c) =$ $= 4a(b - c)$
ŠT 8/40	$a^2 + b^2 + 2ab - c^2 = a^2 + 2ab + b^2 - c^2 = (a + b)^2 - c^2 =$ $= (a + b + c)(a + b - c)$
ŠT 8/41	$x^2 - y^2 - z^2 + 2yz = x^2 - (y^2 - 2yz + z^2) = x^2 - (y - z)^2 =$ $= (x + y - z)(x - y + z)$
ŠT 8/42	$25a^2 - (3a - 2b)^2 = (5a + 3a - 2b)(5a - 3a + 2b) =$ $= (8a - 2b)(2a + 2b) = 4(4a - b)(a + b)$
ŠT 8/43	$9(x - 2y)^2 - 16(2x - 3y)^2 =$ $= [3(x - 2y) + 4(2x - 3y)][3(x - 2y) - 4(2x - 3y)] =$ $= (3x - 6y + 8x - 12y)(3x - 6y - 8x + 12y) =$ $= (11x - 18y)(-5x + 6y) = (11x - 18y)(6y - 5x)$