ROZKLAD KVADRATICKÉHO TROJŪLENA NA SKŪN KORENOVÝCH ČINITEĽOV

$$(ax^2+bx+c)=a(x-x_1)(x-x_2)$$

KVADRAT.
TROJĒLĒN

TIETO ZATVORKY SA VOLAJŪ KORENOVE CIVITELE

lebo mulove body tyll kalooniel su borene brodust rovnice

 $ax^2+bx+c=0$

Nicktore hvadratiche højderny sa nedaju vostoris. Volaju sa IREDUCIBILNÉ.

Pedaleval, Str. 13/14

a)
$$x^2 = 5x + 6 = (x - 3)(x - 2)$$
 leto $(-3) + (-2) = -5$ $(-3) \cdot (-2) = 6$

$$b_1$$
 $\times 47 \times 10 = (x+5)(x+2)$ less $5.2 = 10$ $5+2 = 7$

C)
$$x^{2}(-2) = (x+4)(x-2)$$
 less $(+4) + (-2) = (2)$ $(+9) \cdot (-2) = (-8)$

d)
$$\times^{2}$$
 $(+10)$ (-11) = $(x+11)(x-1)$ leto $(+11) + (-1) = (-10)$ $(+11) \cdot (-1) = (-11)$

e)
$$x^2 + x(-2) = (x+2)(x-1)$$
 leto $(+2) + (-1) = (+1)$
 $(+2) \cdot (-1) = (-2)$

$$f) \times^{2}(M) (+30) = (x - 5) (x - 6) \quad lebo (-5) + (-6) = (11)$$

$$(-5) \cdot (-6) = (30)$$

9)
$$\times^{2}$$
 (10) $(+25)$ = $(x-5)$ $(x-5)$ less (-5) $+ (-5)$ = (-5) (-5) $= (-5)$

h)
$$x^{2}(49)(+4) = (x+2)(x+2)$$
 lebo $(+2)_{+}(+2) = 4$
 $(+2)_{+}(+2) = 6$

i)
$$\times (-6) \times (+9) = (x+3) (x+3)$$
 leto (-3) $+ (-3) = (-6) (-3) \cdot (-3) = (-9)$

$$4x^{2} + 4x + 1 = 4(x^{2} + x + 0,25)) = 4(x + 0,5) = 4$$

k)
$$16x^2 - 25 = (4x)^2 - 5^2 = (4x - 5)(9x + 5)$$

 $a^2 - b^2 = (a - b)(a + b)$

e)
$$15\chi^2 - 30\chi = 15(\chi^2 - 2\chi) = 15\chi(\chi - 2)$$
 symimanie

m)
$$2x^{2}+x-1=(2(x^{2}+0.5)x-0.5)=(x-1)(x+0.5).2=$$

$$=(x-1)(2x+1)$$

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m)
$$3x^{2} - 17x + 10 = 3(x^{2} + 17)x + 10 = 3(x - 2)(x - 15) = 3(x - 2)(x - 15) = (3x - 2)(x - 15) = (17) = (3x - 2)(x - 15) = (17)$$

0)
$$-x^{2}+4x+8 = -(x^{2}+x^{2}-8) = -1(x-8)(x+1) =$$

= $(-x+8)(x+1) = (8-x)(x+1)$ leto $(-8)+1=-4$
 $(-8)\cdot 1=-8$

$$|V| -2x^{2} + 11x - 15 = -2(x^{2}) + 15 = -2(x - \frac{5}{2})(x - \frac{6}{2}) = -2(x - \frac{6}{$$

N)
$$x + 9x + 5 \neq (x + 5)(x + 1)$$
 5.1=5 ale 5+1\div 4

[REDUCTBILANY \(\frac{1}{2}(x - 5)(x - 1) \) (-5).(-1)=5 ale (-5)+(-1)\div 4

\(\frac{1}{2}(x - 5)(x + 1) \) (-5).(+1)\div 5

\(\frac{1}{2}(x + 5)(x - 1) \) (+5).(-1)\div +5