mnohočlen x mnohočlen

$$(a + b) \cdot (c + d) = ac + ad + bc + bd$$

$$(a + b) \cdot (c + d) = ac + bc + ad + bd$$

$$(x + 4)(x + 1) = x^2 + x + 4x + 4 = x^2 + 5x + 4$$

$$(a + 2)(b + 3) = ab + 3a + 2b + 6$$

$(m + u)(m - v) = m^2 - mv + mu - uv$

$(z - 2)(z - 3) = z^2 - 3z - 2z + 6 = z^2 - 5z + 6$

$(x - 4)(y - 1) = xy - x - 4y + 4$

$x \cdot y \quad x \cdot (-1) \quad -4 \cdot y \quad -4 \cdot (-1)$

$(m + 2)(m + 5) = m^2 + 5m + 2m + 10 = m^2 + 7m + 10$

$(4 - a)(1 + a) = 4 + 4a - a - a^2 = 4 + 3a - a^2$

$= -a^2 + 3a + 4$

$\cancel{(a - 4)(a + 1) =}$

$$(7-a)(4-a) = 28 - 7a - 4a + a^2 =$$

$$= \underline{\underline{28 - 11a + a^2}}$$

$$(a-7)(a-4) = a^2 - 4a - 7a + 28 =$$

$$= \underline{\underline{a^2 - 11a + 28}}$$

$(4a - b)(2a - b) =$

$(3c + 2)(2c + 3) =$

$(2x + 1)(x + 4) =$

$(2a + 3b)(2a - 5b) =$

$(m + 3)(m + 5) =$

$(m + 4)(m - 7) =$

$(2n + 3)(4 - n) =$

$(5n - 6)(7 - 3n) =$

$(x - 7)(x + 5) =$

$(2x - 7)(3x - 8) =$

$(6x - y)(8y - 9x) =$

$(a - 2)(a - 10) =$

$(b + 1)(2b - 3) =$

$$(x+3)(x+5) =$$

$$= x^2 + 5x + 3x + 15 = \underline{\underline{x^2 + 8x + 15}}$$

$$= \underline{\underline{x^2 + \overset{(3+5)x}{8x} + \overset{3\cdot 5}{15}}}$$

$1-4 \quad 1\cdot(-4)$

$(a + 1)(a - 4) = a^2 - 3a - 4 \quad = a^2 - 4a + a - 4$

$(b - 3)(b + 5) = b^2 + 2b - 15$

$(y + 7)(y + 1) = y^2 + 8y + 7$

$(x - 3)(x - 8) = x^2 - 11x + 24$

$(m + 2)(m + 4) = m^2 + 6m + 8$

$(y - 5)(y + 6) = y^2 + y - 30$

$(c + 11)(c - 7) = c^2 + 4c - 77$

$(r + 10)(r + 3) = r^2 + 13r + 30$

$(x + 4)(x + 2) = x^2 + 6x + 8$

$(y + 3)(y - 2) = y^2 + y - 6$

$(a - 2)(a - 1) = a^2 - 3a + 2$

$(b + 10)(b + 5) = b^2 + 15b + 50$

$(x - 9)(x + 7) = x^2 - 2x - 63$

$(2x + 3)(5x + 1) =$

$10x^2 + 17x + 3$

$(7x - 3)(5x + 2) =$

$35x^2 - x - 6$

$(y - 9)(y + 5) =$

$y^2 - 4y - 45$

$(12r + 5)(5r - 2) =$

$60r^2 + r - 10$

$(4y + 4)(4y + 6) =$

$16y^2 + 40y + 24$

$(6 - v)(1 + v) =$

$-v^2 + 5v + 6$

$(x - 6)(x - 2) =$

$x^2 - 8x + 12$

$(u + v)(u + 3) =$

$u^2 + 3u + uv + 3v$

$(8r - s)(2r - s) =$

$16r^2 - 10rs + s^2$

$(2z + 1)(z - 4) =$

$2z^2 - 7z - 4$

$(x - 6)(x - 4) = x^2 - 10x + 24$

$(a + 2)(a + 3) = a^2 + 5a + 6$

$(x - 3)(x + 9) = x^2 + 6x - 27$

$(b + 1)(b - 11) = b^2 - 10b - 11$

$(z - 5)(z - 7) = z^2 - 12z + 35$

$(x - 3)(x + 1) = x^2 - 2x - 3$

$(a - 3)(a - 1) = a^2 - 4a + 3$

$$7a + 5(a-2) = 7a + 5a - 10 =$$

$$= 12a - 10$$

$$2x(y+z) - (2x - z)(y-1) - 2x(z+y) + z$$

$$= \cancel{2xy} + \cancel{2xz} - (\cancel{2xy} - 2x - yz + z) - \cancel{2xz} - 2xy +$$

$$= -2xy + 2x + yz$$

$(x + 7)(x + 2) =$

$(x - 3)(x + 4) =$

$(y + 1)(y - 5) =$

$(a - 2)(a - 3) =$

$(b + 4)(b + 2) =$