„Správné“(snad tam nebudu mít moc překlepů) **řešení předchozího pracovního listu najdete ke kontrole během dopoledne na tems v dokumentech.**

Rozložte na součin podle vzorce: $a^2 + 2ab + b^2 = (a + b)^2$ (vytiskni nebo přepiš do cvičného sešitu)

$z^2 + 2z + 1 =$

$9x^2 + 6x + 1 =$

$a^2 + 8a + 16 =$

$4m^2 + 12m + 9 =$

$v^2 + 0{,}6v + 0{,}09 =$

$a^2 b^2 + 20ab + 100 =$

$-c^2 - 10c - 25 =$

$4x^2 + 4xy + y^2 =$

$p^2 + 2p + 1 =$

$9 + 12r + 4r^2 =$

$x^2 + 6xy + 9y^2 =$

$u^2 + 8uv + 16v^2 =$

$x^2 + 2x + 1 =$

$4x^2 + 20xy + 25y^2 =$

$a^2 + 4ab + 4b^2 =$

$4m^2 + 12mn + 9n^2 =$

$u^2 v^2 + 24uv + 144 =$

$a^2 b^2 + 2abc + c^2 =$

$r^4 + 4r^2 s + 4s^2 =$

$m^2 + 10mn + 25n^2 =$

$25r^2 + 30rs + 9s^2 =$

$-u^2 - v^2 - 2uv =$

$-x^2 y^2 - 2xyz - x^2 z =$

$c^2 + 10c + 25 =$

$16u^2 + 40uv + 25v^2 =$

$k^2 + 16k + 16 =$

$p^4 + 2m^2 p^2 + p^4 =$

$36k^2 + 48km + 16m^2 =$

$25n^2 + 30n + 9 =$

$100 + 20v + v^2 =$

$9a^2 + 6ab + b^2 =$

$a^2 + 4ab + 4b^2 =$

$16v^2 + 40v + 25 =$

$x^4 + 2x^2 y + y^2 =$

Rozložte na součin podle vzorce: $a^2 - 2ab + b^2 = (a - b)^2$

$z^2 - 2z + 1 =$

$9x^2 - 6x + 1 =$

$a^2 - 8a + 16 =$

$4m^2 - 12m + 9 =$

$v^2 - 0{,}6v + 0{,}09 =$

$a^2 b^2 - 20ab + 100 =$

$-c^2 - 10c - 25 =$

$4x^2 - 4xy + y^2 =$

$p^2 - 2p + 1 =$

$9 - 12r + 4r^2 =$

$x^2 - 6xy + 9y^2 =$

$u^2 - 8uv + 16v^2 =$

$x^2 - 2x + 1 =$

$4x^2 - 20xy + 25y^2 =$

$a^2 - 4ab + 4b^2 =$

$4m^2 - 12mn + 9n^2 =$

$u^2 v^2 - 24uv + 144 =$

$a^2 b^2 - 2abc + c^2 =$

$r^4 - 4r^2s + 4s^2 =$

$m^2 - 10mn + 25n^2 =$

$25r^2 - 30rs + 9s^2 =$

$- u^2 + v^2 + 2uv =$

$- x^2 y^2 + 2xyz + x^2z =$

$c^2 - 10c + 25 =$

$16u^2 - 40uv + 25v^2 =$

$k^2 - 16k + 16 =$

$p^4 - 2m^2 p^2 + p^4 =$

$36 k^2 - 48km + 16m^2 =$

$25n^2 - 30n + 9 =$

$100 - 20v + v^2 =$

$9a^2 - 6ab + b^2 =$

$a^2 - 4ab + 4b^2 =$

$16v^2 - 40v + 25 =$

$x^4 - 2x^2y + y^2 =$

$16a^2 - 32ab^3 + 9a^4 =$

$0{,}01c^2 - 0{,}1c + 0{,}25 =$

$16x^2 - 24xy + 9y^2 =$

$9a^2 - 6ab + b^2 =$

$r^2 - 28rs + 49s^2 =$

$81a^2 - 72ab + 16b^2 =$

$a^2 – 12a + 36 =$

$9 – 6r + r^2 =$

Upravte podle vzorce: $\mathbf{(a + b).(a – b) = a^2 - b^2}$

$(c + d).(c – d) =$

$(4 + k).(4 - k) =$

$(x + y).(x – y) =$

$(8x + 4y).(8x - 4y) =$

$(7 + 6u).(7 – 6u) =$

$(3ab + 2c).(3ab - 2c) =$

$(a - c).(a + c) =$

$(d + 3).(d - 3) =$

$(2m - p).(2m + p) =$

$(u + 3).(u - 3) =$

$(5m – 4p).(5m + 4p) =$

$(9 + 12v).(9 – 12v) =$

$(3ab - 2c).(3ab + 2c) =$

$(2x + 3yz).(2x – 3yz) =$

$(3u + 4v).(3u – 4v) =$

$(10r + 25s).(10r – 25s$

$(5 - z).(5 + z) =$

$(a + 10).(a – 10) =$

$(9p - 2).(9p + 2) =$

$(8 + y^2).(8 – y^2) =$

$(c - 9).(c + 9) =$

$(10 + 2m).(10 – 2m) =$

$(0{,}4r – 0{,}2).(0{,}4r + 0{,}2) =$

$(9a + b).(9a - b) =$

$(4m - 1).(4m + 1) =$

$(3x^2 + 2yz^2).(3x^2 - 2yz^2) =$

$(x^2 – 2v).(x^2 + 2v) =$

$(n^3 + 9).(n^3 – 9) =$