

DELOVNI LIST 3- ALGEBRSKI IZRAZI

1. Skrči izraze:

a) $(2y-3) \cdot (2y+3) =$

b) $(3r-5p) \cdot (3r+5p) =$

c) $(b-15) \cdot (b-2) =$

d) $(t^2-2u) \cdot (t^2-3u) =$

e) $(7x-4) \cdot (7x+4) =$

f) $(2m-3n) \cdot (2m+3n) =$

g) $(a+10) \cdot (a-3) =$

h) $(a^2-2b) \cdot (a^2-3b) =$

2. Potenciraj:

$(7a-2)^2 =$

$(1-ab)^2 =$

$(5x+2)^2 =$

$(2a+4)^3 =$

$(2x+3y)^3 =$

$(3x-4y)^2 =$

$(2t-3)^3 =$

$(1-m)^3 =$

$(5x-8y)^2 =$

$(x^2+y)^2 =$

$(2-xy)^3 =$

$(3x^2+y)^3 =$

$(2u^2-3)^2 =$

$(2x^2-5y)^2 =$

$(4a^3+b^2)^2 =$

$(x^2y^2+1)^2 =$

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

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

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

$5 \cdot (3a+4b)^2 =$

$2 \cdot (3x^2y^2-1)^2 =$

$(-x+y)^3 =$

3. Skrči izraze: $-(-2u+4v-(u-v)-5)+(3u-(4v+u)+(2u-3v)) =$

$6z-(4y-2x+5z)+(-3x+5y)-(-7z) =$

$(4r+5s)+(6r-3s-2p)-(3r+2p-(-8r)+2s) =$

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

$(-6a+3b-2c)-5(3b-7c)-12(2-a) =$

$4x-(2z-3y)-(5x-2z)-3y+6x =$

$(5a+3b)-2(5a-6b)+3(a-5b) =$

$3(2(x-2y)-3(2x-y)-5y) =$

$2(3ab+2)+5a(4-3b)-12ab+7a+2b =$

$4(2x-3y)-9(3x-2y)-2(2(x-y)+6x)-4y =$

$(x-1)-3(-x+1)+5(x+1)-(x(3-y)+6) =$

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

$((4x-3y)-12+2(-5x-3y)-2x)+6y-3 =$

$3n(7-4m)-(-2m+5n)+6(-3m-2n)+2m =$

$(2k-4l)-3(-1)(-2l)-(-5k)+6-3l =$

$((-2x+3y)-4x(2-5y)+5x-3y(-2x+1)-xy) =$