بعض أشكال عملية الضرب

1. $(a+b)^2 = a^2+2ab+b^2$

مثال

$(5\,0+D)^2 = (5\,0)^2+2(5\,0)(D)+(D)^2$
$=25\,0^2+10\,D\,0+D^2$

$(4\,e+3\,v)^2 = (4\,e)^2+2(4\,e)(3\,v)+(3\,v)^2$
$=16\,e^2+24\,e\,v+9\,v^2$

$(2\,X+4\,R)^2 = (2\,X)^2+2(2\,X)(4\,R)+(4\,R)^2$
$=4\,X^2+16\,R\,X+16\,R^2$

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

مثال

$(5\,w-h)^2 = (5\,w)^2 -2(5\,w)(h)+(h)^2$
$=25\,w^2-10\,h\,w+h^2$

$(4\,g-5\,p)^2 = (4\,g)^2 -2(4\,g)(5\,p)+(5\,p)^2$
$=16\,g^2-40\,g\,p+25\,p^2$

$(x-2\,o)^2 = (x)^2 -2(x)(2\,o)+(2\,o)^2$
$=x^2-4\,o\,x+4\,o^2$

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

مثال

$(4\,E+U)(4\,E-U) = (4\,E)^2 - (U)^2$
$=16\,E^2-U^2$

$(2\,X+5\,Q)(2\,X-5\,Q) = (2\,X)^2 - (5\,Q)^2$
$=4\,X^2-25\,Q^2$

$(3\,m+5\,k)(3\,m-5\,k) = (3\,m)^2 - (5\,k)^2$
$=9\,m^2-25\,k^2$