بعض أشكال عملية الضرب

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

مثال

$(2d+k)^2 = (2d)^2+2(2d)(k)+(k)^2$
$=4d^2+4dk+k^2$

$(3V+2D)^2 = (3V)^2+2(3V)(2D)+(2D)^2$
$=9V^2+12DV+4D^2$

$(3i+2f)^2 = (3i)^2+2(3i)(2f)+(2f)^2$
$=9i^2+12fi+4f^2$

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

مثال

$(3P-5L)^2 = (3P)^2-2(3P)(5L)+(5L)^2$
$=9P^2-30LP+25L^2$

$(4y-2r)^2 = (4y)^2-2(4y)(2r)+(2r)^2$
$=16y^2-16ry+4r^2$

$(4m-2c)^2 = (4m)^2-2(4m)(2c)+(2c)^2$
$=16m^2-16cm+4c^2$

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

مثال

$(2i+4z)(2i-4z) = (2i)^2-(4z)^2$
$=4i^2-16z^2$

$(3n+5x)(3n-5x) = (3n)^2-(5x)^2$
$=9n^2-25x^2$

$(5t+y)(5t-y) = (5t)^2-(y)^2$
$=25t^2-y^2$