بعض أشكال عملية الضرب

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

مثال

$(4N+5B)^2 = (4N)^2+2(4N)(5B)+(5B)^2$
$=16N^2+40BN+25B^2$

$(5I+3T)^2 = (5I)^2+2(5I)(3T)+(3T)^2$
$=25I^2+30IT+9T^2$

$(2k+4z)^2 = (2k)^2+2(2k)(4z)+(4z)^2$
$=4k^2+16kz+16z^2$

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

مثال

$(3k-o)^2 = (3k)^2 -2(3k)(o)+(o)^2$
$=9k^2-6ko+o^2$

$(5P-2Q)^2 = (5P)^2 -2(5P)(2Q)+(2Q)^2$
$=25P^2-20PQ+4Q^2$

$(q-3d)^2 = (q)^2 -2(q)(3d)+(3d)^2$
$=q^2-6dq+9d^2$

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

مثال

$(2F+4V)(2F-4V) = (2F)^2 - (4V)^2$
$=4F^2-16V^2$

$(5G+4F)(5G-4F) = (5G)^2 - (4F)^2$
$=25G^2-16F^2$

$(5k+2e)(5k-2e) = (5k)^2 - (2e)^2$
$=25k^2-4e^2$