بعض أشكال عملية الضرب

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

مثال

$(O+5M)^2 = (O)^2+2(O)(5M)+(5M)^2$
$=O^2+10MO+25M^2$

$(4o+2k)^2 = (4o)^2+2(4o)(2k)+(2k)^2$
$=16o^2+16ko+4k^2$

$(3N+5B)^2 = (3N)^2+2(3N)(5B)+(5B)^2$
$=9N^2+30BN+25B^2$

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

مثال

$(2p-s)^2 = (2p)^2 -2(2p)(s)+(s)^2$
$=4p^2-4ps+s^2$

$(d-4s)^2 = (d)^2 -2(d)(4s)+(4s)^2$
$=d^2-8ds+16s^2$

$(5i-h)^2 = (5i)^2 -2(5i)(h)+(h)^2$
$=25i^2-10hi+h^2$

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

مثال

$(4m+5f)(4m-5f) = (4m)^2 - (5f)^2$
$=16m^2-25f^2$

$(4H+S)(4H-S) = (4H)^2 - (S)^2$
$=16H^2-S^2$

$(3K+4I)(3K-4I) = (3K)^2 - (4I)^2$
$=9K^2-16I^2$