بعض أشكال عملية الضرب

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

مثال

$(4C+3Z)^2 = (4C)^2+2(4C)(3Z)+(3Z)^2$
$=16C^2+24CZ+9Z^2$

$(5o+4v)^2 = (5o)^2+2(5o)(4v)+(4v)^2$
$=25o^2+40ov+16v^2$

$(2h+4n)^2 = (2h)^2+2(2h)(4n)+(4n)^2$
$=4h^2+16hn+16n^2$

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

مثال

$(2S-5M)^2 = (2S)^2-2(2S)(5M)+(5M)^2$
$=4S^2-20MS+25M^2$

$(4i-5z)^2 = (4i)^2-2(4i)(5z)+(5z)^2$
$=16i^2-40iz+25z^2$

$(2g-4z)^2 = (2g)^2-2(2g)(4z)+(4z)^2$
$=4g^2-16gz+16z^2$

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

مثال

$(2X+I)(2X-I) = (2X)^2 - (I)^2$
$=4X^2-I^2$

$(v+5k)(v-5k) = (v)^2 - (5k)^2$
$=v^2-25k^2$

$(5x+h)(5x-h) = (5x)^2 - (h)^2$
$=25x^2-h^2$