بعض أشكال عملية الضرب

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

مثال

$(3w+v)^2 = (3w)^2 + 2(3w)(v) + (v)^2$
$= 9w^2+6vw+v^2$

$(4K+5M)^2 = (4K)^2 + 2(4K)(5M) + (5M)^2$
$= 16K^2+40KM+25M^2$

$(3W+5Q)^2 = (3W)^2 + 2(3W)(5Q) + (5Q)^2$
$= 9W^2+30QW+25Q^2$

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

مثال

$(d-3x)^2 = (d)^2 - 2(d)(3x) + (3x)^2$
$= d^2-6dx+9x^2$

$(5v-h)^2 = (5v)^2 - 2(5v)(h) + (h)^2$
$= 25v^2-10hv+h^2$

$(n-4o)^2 = (n)^2 - 2(n)(4o) + (4o)^2$
$= n^2-8no+16o^2$

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

مثال

$(5M+3I)(5M-3I) = (5M)^2 - (3I)^2$
$= 25M^2-9I^2$

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

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