بعض أشكال عملية الضرب

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

مثال

$(2M+5O)^2 = (2M)^2+2(2M)(5O)+(5O)^2$
$=4M^2+20MO+25O^2$

$(5A+3D)^2 = (5A)^2+2(5A)(3D)+(3D)^2$
$=25A^2+30AD+9D^2$

$(3j+2s)^2 = (3j)^2+2(3j)(2s)+(2s)^2$
$=9j^2+12js+4s^2$

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

مثال

$(K-4C)^2 = (K)^2 -2(K)(4C)+(4C)^2$
$=K^2-8CK+16C^2$

$(5p-2x)^2 = (5p)^2 -2(5p)(2x)+(2x)^2$
$=25p^2-20px+4x^2$

$(r-5y)^2 = (r)^2 -2(r)(5y)+(5y)^2$
$=r^2-10ry+25y^2$

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

مثال

$(3P+5T)(3P-5T) = (3P)^2 - (5T)^2$
$=9P^2-25T^2$

$(5J+2I)(5J-2I) = (5J)^2 - (2I)^2$
$=25J^2-4I^2$

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