بعض أشكال عملية الضرب

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

مثال

$(2K+F)^2 = (2K)^2+2(2K)(F)+(F)^2$
$=4K^2+4FK+F^2$

$(3h+4a)^2 = (3h)^2+2(3h)(4a)+(4a)^2$
$=9h^2+24ah+16a^2$

$(5q+4b)^2 = (5q)^2+2(5q)(4b)+(4b)^2$
$=25q^2+40bq+16b^2$

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

مثال

$(2E-X)^2 = (2E)^2 -2(2E)(X)+(X)^2$
$=4E^2-4EX+X^2$

$(5E-2W)^2 = (5E)^2 -2(5E)(2W)+(2W)^2$
$=25E^2-20EW+4W^2$

$(2g-5c)^2 = (2g)^2 -2(2g)(5c)+(5c)^2$
$=4g^2-20cg+25c^2$

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

مثال

$(4Q+2T)(4Q-2T) = (4Q)^2 - (2T)^2$
$=16Q^2-4T^2$

$(2f+4s)(2f-4s) = (2f)^2 - (4s)^2$
$=4f^2-16s^2$

$(2L+3F)(2L-3F) = (2L)^2 - (3F)^2$
$=4L^2-9F^2$