بعض أشكال عملية الضرب

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

مثال

$(P+40)^2 = (P)^2+2(P)(40)+(40)^2$
$=P^2+80P+1600$

$(3b+n)^2 = (3b)^2+2(3b)(n)+(n)^2$
$=9b^2+6bn+n^2$

$(4A+U)^2 = (4A)^2+2(4A)(U)+(U)^2$
$=16A^2+8AU+U^2$

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

مثال

$(2c-n)^2 = (2c)^2 -2(2c)(n)+(n)^2$
$=4c^2-4cn+n^2$

$(2G-5K)^2 = (2G)^2 -2(2G)(5K)+(5K)^2$
$=4G^2-20GK+25K^2$

$(4X-I)^2 = (4X)^2 -2(4X)(I)+(I)^2$
$=16X^2-8IX+I^2$

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

مثال

$(5i+2w)(5i-2w) = (5i)^2 - (2w)^2$
$=25i^2-4w^2$

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

$(5o+3g)(5o-3g) = (5o)^2 - (3g)^2$
$=25o^2-9g^2$