بعض أشكال عملية الضرب

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

مثال

$(2N+M)^2 = (2N)^2+2(2N)(M)+(M)^2$
$=4N^2+4MN+M^2$

$(Y+2J)^2 = (Y)^2+2(Y)(2J)+(2J)^2$
$=Y^2+4JY+4J^2$

$(5B+C)^2 = (5B)^2+2(5B)(C)+(C)^2$
$=25B^2+10BC+C^2$

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

مثال

$(e-5t)^2 = (e)^2 -2(e)(5t)+(5t)^2$
$=e^2-10et+25t^2$

$(4C-5X)^2 = (4C)^2 -2(4C)(5X)+(5X)^2$
$=16C^2-40CX+25X^2$

$(5Q-Z)^2 = (5Q)^2 -2(5Q)(Z)+(Z)^2$
$=25Q^2-10QZ+Z^2$

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

مثال

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

$(o+5j)(o-5j) = (o)^2 - (5j)^2$
$=o^2-25j^2$

$(r+4h)(r-4h) = (r)^2 - (4h)^2$
$=r^2-16h^2$