بعض أشكال عملية الضرب

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

مثال

$(4\,v+2\,i)^2 = (4\,v)^2+2\,(4\,v)\,(2\,i)+(2\,i)^2$
$=16\,v^2+16\,i\,v+4\,i^2$

$(4\,u+3\,o)^2 = (4\,u)^2+2\,(4\,u)\,(3\,o)+(3\,o)^2$
$=16\,u^2+24\,o\,u+9\,o^2$

$(2\,u+4\,s)^2 = (2\,u)^2+2\,(2\,u)\,(4\,s)+(4\,s)^2$
$=4\,u^2+16\,s\,u+16\,s^2$

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

مثال

$(4\,F-X)^2 = (4\,F)^2 -2\,(4\,F)\,(X)+(X)^2$
$=16\,F^2-8\,F\,X+X^2$

$(S-3\,U)^2 = (S)^2 -2\,(S)\,(3\,U)+(3\,U)^2$
$=S^2-6\,S\,U+9\,U^2$

$(H-4\,T)^2 = (H)^2 -2\,(H)\,(4\,T)+(4\,T)^2$
$=H^2-8\,H\,T+16\,T^2$

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

مثال

$(3\,d+p)\,(3\,d-p) = (3\,d)^2 - (p)^2$
$=9\,d^2-p^2$

$(2\,G+5\,Q)\,(2\,G-5\,Q) = (2\,G)^2 - (5\,Q)^2$
$=4\,G^2-25\,Q^2$

$(3\,j+b)\,(3\,j-b) = (3\,j)^2 - (b)^2$
$=9\,j^2-b^2$