بعض أشكال عملية الضرب

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

مثال

$(3d+z)^2 = (3d)^2+2(3d)(z)+(z)^2$
$=9d^2+6dz+z^2$

$(3n+d)^2 = (3n)^2+2(3n)(d)+(d)^2$
$=9n^2+6dn+d^2$

$(U+5C)^2 = (U)^2+2(U)(5C)+(5C)^2$
$=U^2+10CU+25C^2$

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

مثال

$(5B-Z)^2 = (5B)^2 -2(5B)(Z)+(Z)^2$
$=25B^2-10BZ+Z^2$

$(S-4A)^2 = (S)^2 -2(S)(4A)+(4A)^2$
$=S^2-8AS+16A^2$

$(2E-4V)^2 = (2E)^2 -2(2E)(4V)+(4V)^2$
$=4E^2-16EV+16V^2$

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

مثال

$(5P+Q)(5P-Q) = (5P)^2 - (Q)^2$
$=25P^2-Q^2$

$(5t+4q)(5t-4q) = (5t)^2 - (4q)^2$
$=25t^2-16q^2$

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