بعض أشكال عملية الضرب

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

مثال

$(5v+k)^2 = (5v)^2 + 2(5v)(k) + (k)^2$
$= 25v^2 + 10kv + k^2$

$(5t+2z)^2 = (5t)^2 + 2(5t)(2z) + (2z)^2$
$= 25t^2 + 20tz + 4z^2$

$(2V+3M)^2 = (2V)^2 + 2(2V)(3M) + (3M)^2$
$= 4V^2 + 12MV + 9M^2$

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

مثال

$(a-3w)^2 = (a)^2 - 2(a)(3w) + (3w)^2$
$= a^2 - 6aw + 9w^2$

$(Y-2S)^2 = (Y)^2 - 2(Y)(2S) + (2S)^2$
$= Y^2 - 4SY + 4S^2$

$(v-2z)^2 = (v)^2 - 2(v)(2z) + (2z)^2$
$= v^2 - 4vz + 4z^2$

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

مثال

$(3u+2m)(3u-2m) = (3u)^2 - (2m)^2$
$= 9u^2 - 4m^2$

$(2o+q)(2o-q) = (2o)^2 - (q)^2$
$= 4o^2 - q^2$

$(5Y+K)(5Y-K) = (5Y)^2 - (K)^2$
$= 25Y^2 - K^2$