

بعض أشكال عملية الضرب

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

مثال

$$(3V+0)^2 = (3V)^2 + 2(3V)(0) + (0)^2 \\ = 9V^2 + 60V + 0^2$$

$$(R+3P)^2 = (R)^2 + 2(R)(3P) + (3P)^2 \\ = R^2 + 6PR + 9P^2$$

$$(3e+2f)^2 = (3e)^2 + 2(3e)(2f) + (2f)^2 \\ = 9e^2 + 12ef + 4f^2$$

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

مثال

$$(Y-3A)^2 = (Y)^2 - 2(Y)(3A) + (3A)^2 \\ = Y^2 - 6AY + 9A^2$$

$$(3x-4d)^2 = (3x)^2 - 2(3x)(4d) + (4d)^2 \\ = 9x^2 - 24dx + 16d^2$$

$$(N-4L)^2 = (N)^2 - 2(N)(4L) + (4L)^2 \\ = N^2 - 8LN + 16L^2$$

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

مثال

$$(5B+R)(5B-R) = (5B)^2 - (R)^2 \\ = 25B^2 - R^2$$

$$(5S+3A)(5S-3A) = (5S)^2 - (3A)^2 \\ = 25S^2 - 9A^2$$

$$(3n+5p)(3n-5p) = (3n)^2 - (5p)^2 \\ = 9n^2 - 25p^2$$