

بعض أشكال عملية الضرب

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

مثال

$$(w+2o)^2 = (w)^2 + 2(w)(2o) + (2o)^2 \\ = w^2 + 4ow + 4o^2$$

$$(5H+2C)^2 = (5H)^2 + 2(5H)(2C) + (2C)^2 \\ = 25H^2 + 20CH + 4C^2$$

$$(2D+A)^2 = (2D)^2 + 2(2D)(A) + (A)^2 \\ = 4D^2 + 4AD + A^2$$

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

مثال

$$(Z-4P)^2 = (Z)^2 - 2(Z)(4P) + (4P)^2 \\ = Z^2 - 8PZ + 16P^2$$

$$(I-4X)^2 = (I)^2 - 2(I)(4X) + (4X)^2 \\ = I^2 - 8IX + 16X^2$$

$$(y-4s)^2 = (y)^2 - 2(y)(4s) + (4s)^2 \\ = y^2 - 8sy + 16s^2$$

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

مثال

$$(4M+2E)(4M-2E) = (4M)^2 - (2E)^2 \\ = 16M^2 - 4E^2$$

$$(4N+5F)(4N-5F) = (4N)^2 - (5F)^2 \\ = 16N^2 - 25F^2$$

$$(3v+0)(3v-0) = (3v)^2 - (0)^2 \\ = 9v^2 - 0^2$$