

بعض أشكال عملية الضرب

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

مثال

$$(V+4D)^2 = (V)^2 + 2(V)(4D) + (4D)^2 \\ = V^2 + 8DV + 16D^2$$

$$(p+4h)^2 = (p)^2 + 2(p)(4h) + (4h)^2 \\ = p^2 + 8hp + 16h^2$$

$$(3c+5y)^2 = (3c)^2 + 2(3c)(5y) + (5y)^2 \\ = 9c^2 + 30cy + 25y^2$$

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

مثال

$$(5q-y)^2 = (5q)^2 - 2(5q)(y) + (y)^2 \\ = 25q^2 - 10qy + y^2$$

$$(M-5U)^2 = (M)^2 - 2(M)(5U) + (5U)^2 \\ = M^2 - 10MU + 25U^2$$

$$(C-4Z)^2 = (C)^2 - 2(C)(4Z) + (4Z)^2 \\ = C^2 - 8CZ + 16Z^2$$

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

مثال

$$(5R+3G)(5R-3G) = (5R)^2 - (3G)^2 \\ = 25R^2 - 9G^2$$

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

$$(5r+4d)(5r-4d) = (5r)^2 - (4d)^2 \\ = 25r^2 - 16d^2$$