

بعض أشكال عملية الضرب

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

مثال

$$(5z+3c)^2 = (5z)^2 + 2(5z)(3c) + (3c)^2 \\ = 25z^2 + 30cz + 9c^2$$

$$(2k+5t)^2 = (2k)^2 + 2(2k)(5t) + (5t)^2 \\ = 4k^2 + 20kt + 25t^2$$

$$(5U+2K)^2 = (5U)^2 + 2(5U)(2K) + (2K)^2 \\ = 25U^2 + 20KU + 4K^2$$

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

مثال

$$(2u-4r)^2 = (2u)^2 - 2(2u)(4r) + (4r)^2 \\ = 4u^2 - 16ru + 16r^2$$

$$(5R-M)^2 = (5R)^2 - 2(5R)(M) + (M)^2 \\ = 25R^2 - 10MR + M^2$$

$$(5W-Y)^2 = (5W)^2 - 2(5W)(Y) + (Y)^2 \\ = 25W^2 - 10WY + Y^2$$

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

مثال

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

$$(4m+5v)(4m-5v) = (4m)^2 - (5v)^2 \\ = 16m^2 - 25v^2$$

$$(5g+2y)(5g-2y) = (5g)^2 - (2y)^2 \\ = 25g^2 - 4y^2$$