

بعض أشكال عملية الضرب

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

مثال

$$(5H+3C)^2 = (5H)^2 + 2(5H)(3C) + (3C)^2 \\ = 25H^2 + 30CH + 9C^2$$

$$(5E+4G)^2 = (5E)^2 + 2(5E)(4G) + (4G)^2 \\ = 25E^2 + 40EG + 16G^2$$

$$(3V+5R)^2 = (3V)^2 + 2(3V)(5R) + (5R)^2 \\ = 9V^2 + 30RV + 25R^2$$

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

مثال

$$(Y-3E)^2 = (Y)^2 - 2(Y)(3E) + (3E)^2 \\ = Y^2 - 6EY + 9E^2$$

$$(5G-2W)^2 = (5G)^2 - 2(5G)(2W) + (2W)^2 \\ = 25G^2 - 20GW + 4W^2$$

$$(4z-h)^2 = (4z)^2 - 2(4z)(h) + (h)^2 \\ = 16z^2 - 8hz + h^2$$

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

مثال

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

$$(3C+Y)(3C-Y) = (3C)^2 - (Y)^2 \\ = 9C^2 - Y^2$$

$$(5T+4A)(5T-4A) = (5T)^2 - (4A)^2 \\ = 25T^2 - 16A^2$$