

بعض أشكال عملية الضرب

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

مثال

$$(g+2s)^2 = (g)^2 + 2(g)(2s) + (2s)^2 \\ = g^2 + 4gs + 4s^2$$

$$(G+5Y)^2 = (G)^2 + 2(G)(5Y) + (5Y)^2 \\ = G^2 + 10GY + 25Y^2$$

$$(y+5h)^2 = (y)^2 + 2(y)(5h) + (5h)^2 \\ = y^2 + 10hy + 25h^2$$

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

مثال

$$(5J-3C)^2 = (5J)^2 - 2(5J)(3C) + (3C)^2 \\ = 25J^2 - 30CJ + 9C^2$$

$$(5W-3D)^2 = (5W)^2 - 2(5W)(3D) + (3D)^2 \\ = 25W^2 - 30DW + 9D^2$$

$$(3p-5b)^2 = (3p)^2 - 2(3p)(5b) + (5b)^2 \\ = 9p^2 - 30bp + 25b^2$$

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

مثال

$$(4E+5C)(4E-5C) = (4E)^2 - (5C)^2 \\ = 16E^2 - 25C^2$$

$$(5y+4n)(5y-4n) = (5y)^2 - (4n)^2 \\ = 25y^2 - 16n^2$$

$$(3V+2S)(3V-2S) = (3V)^2 - (2S)^2 \\ = 9V^2 - 4S^2$$