

## بعض أشكال عملية الضرب

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

مثال

$$(W+4K)^2 = (W)^2 + 2(W)(4K) + (4K)^2 \\ = W^2 + 8KW + 16K^2$$

$$(V+3N)^2 = (V)^2 + 2(V)(3N) + (3N)^2 \\ = V^2 + 6NV + 9N^2$$

$$(4S+B)^2 = (4S)^2 + 2(4S)(B) + (B)^2 \\ = 16S^2 + 8BS + B^2$$

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

مثال

$$(k-5q)^2 = (k)^2 - 2(k)(5q) + (5q)^2 \\ = k^2 - 10kq + 25q^2$$

$$(2Q-5Z)^2 = (2Q)^2 - 2(2Q)(5Z) + (5Z)^2 \\ = 4Q^2 - 20QZ + 25Z^2$$

$$(5H-U)^2 = (5H)^2 - 2(5H)(U) + (U)^2 \\ = 25H^2 - 10HU + U^2$$

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

مثال

$$(4U+N)(4U-N) = (4U)^2 - (N)^2 \\ = 16U^2 - N^2$$

$$(5N+3S)(5N-3S) = (5N)^2 - (3S)^2 \\ = 25N^2 - 9S^2$$

$$(3h+4t)(3h-4t) = (3h)^2 - (4t)^2 \\ = 9h^2 - 16t^2$$