

بعض أشكال عملية الضرب

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

مثال

$$(s+2k)^2 = (s)^2 + 2(s)(2k) + (2k)^2 \\ = s^2 + 4ks + 4k^2$$

$$(5M+4T)^2 = (5M)^2 + 2(5M)(4T) + (4T)^2 \\ = 25M^2 + 40MT + 16T^2$$

$$(2m+3o)^2 = (2m)^2 + 2(2m)(3o) + (3o)^2 \\ = 4m^2 + 12mo + 9o^2$$

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

مثال

$$(5P-W)^2 = (5P)^2 - 2(5P)(W) + (W)^2 \\ = 25P^2 - 10PW + W^2$$

$$(3Q-X)^2 = (3Q)^2 - 2(3Q)(X) + (X)^2 \\ = 9Q^2 - 6QX + X^2$$

$$(4C-Q)^2 = (4C)^2 - 2(4C)(Q) + (Q)^2 \\ = 16C^2 - 8CQ + Q^2$$

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

مثال

$$(2v+4j)(2v-4j) = (2v)^2 - (4j)^2 \\ = 4v^2 - 16j^2$$

$$(2g+3z)(2g-3z) = (2g)^2 - (3z)^2 \\ = 4g^2 - 9z^2$$

$$(2V+4T)(2V-4T) = (2V)^2 - (4T)^2 \\ = 4V^2 - 16T^2$$