

بعض أشكال عملية الضرب

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

مثال

$$(2p+4o)^2 = (2p)^2 + 2(2p)(4o) + (4o)^2 \\ = 4p^2 + 16op + 16o^2$$

$$(5q+2a)^2 = (5q)^2 + 2(5q)(2a) + (2a)^2 \\ = 25q^2 + 20aq + 4a^2$$

$$(5L+4E)^2 = (5L)^2 + 2(5L)(4E) + (4E)^2 \\ = 25L^2 + 40EL + 16E^2$$

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

مثال

$$(4b-2u)^2 = (4b)^2 - 2(4b)(2u) + (2u)^2 \\ = 16b^2 - 16bu + 4u^2$$

$$(2L-3Z)^2 = (2L)^2 - 2(2L)(3Z) + (3Z)^2 \\ = 4L^2 - 12LZ + 9Z^2$$

$$(3n-d)^2 = (3n)^2 - 2(3n)(d) + (d)^2 \\ = 9n^2 - 6dn + d^2$$

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

مثال

$$(S+5D)(S-5D) = (S)^2 - (5D)^2 \\ = S^2 - 25D^2$$

$$(o+2h)(o-2h) = (o)^2 - (2h)^2 \\ = o^2 - 4h^2$$

$$(2G+5B)(2G-5B) = (2G)^2 - (5B)^2 \\ = 4G^2 - 25B^2$$