

بعض أشكال عملية الضرب

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

مثال

$$(4Y+B)^2 = (4Y)^2 + 2(4Y)(B) + (B)^2 \\ = 16Y^2 + 8BY + B^2$$

$$(2D+3C)^2 = (2D)^2 + 2(2D)(3C) + (3C)^2 \\ = 4D^2 + 12CD + 9C^2$$

$$(0+3R)^2 = (0)^2 + 2(0)(3R) + (3R)^2 \\ = 0^2 + 6OR + 9R^2$$

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

مثال

$$(3J-2X)^2 = (3J)^2 - 2(3J)(2X) + (2X)^2 \\ = 9J^2 - 12JX + 4X^2$$

$$(3q-5m)^2 = (3q)^2 - 2(3q)(5m) + (5m)^2 \\ = 9q^2 - 30mq + 25m^2$$

$$(3X-2Z)^2 = (3X)^2 - 2(3X)(2Z) + (2Z)^2 \\ = 9X^2 - 12XZ + 4Z^2$$

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

مثال

$$(4d+2q)(4d-2q) = (4d)^2 - (2q)^2 \\ = 16d^2 - 4q^2$$

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

$$(2T+Z)(2T-Z) = (2T)^2 - (Z)^2 \\ = 4T^2 - Z^2$$