

ALGEBRAIC IDENTITIES

Click on the link:

<https://www.cuemath.com/algebra/algebraic-identities/>

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

Fill in the gaps:

$$(x + 3)^2 = \quad^2 + 6x + 9$$

$$(a + b)^2 = a^2 + \quad + b^2$$

$$(z - 5)^2 = \quad^2 - 10z + \quad$$

$$(3m - t)^2 = 9m^2 - \quad + \quad^2$$

$$(8r + 3t)^2 = \quad r^2 + \quad rt + 9t^2$$

$$(2a + c)^2 = 4a^2 + \quad + c^2$$

$$(x + y)(x - y) = \quad^2 - \quad^2$$

$$(d + y)(\quad - \quad) = d^2 - y^2$$

$$(8 - x)(8 + x) = \quad^2 - \quad^2$$

$$(4 + w)(4 - w) = \quad - \quad^2$$

$$(7 + \quad)(7 - \quad) = \quad - a^2b^2$$