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:

$(x + 3)^2 =$ ____ $^2 + 6x + 9$

$(a + b)^2 = a^2 +$ ____ $+ b^2$

$(z - 5)^2 =$ ____ $^2 - 10z +$ ____

$(3m - t)^2 = 9m^2 -$ ____ $+$ ____ ^{2}

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

$(2a + c)^2 = 4a^2 +$ ____ $+ c^2$

$(x + y)(x - y) =$ ____ $^2 -$ ____ ^{2}

$(d + y)($ ____ $-$ ____ $) = d^2 - y^2$

$(8 - x)(8 + x) =$ ____ $^2 -$ ____ ^{2}

$(4 + w)(4 - w) =$ ____ $-$ ____ ^{2}

$(7 +$ ____ $)(7 -$ ____ $) =$ ____ $- a^2b^2$

LIVEWORKSHEETS