

ALGEBRAIC IDENTITIES

SQUARE OF A BINOMIAL

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

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

DIFFERENCE OF SQUARES

CUBE OF

(a

(a

b³

b³

SQUARE

(a + b +

AL

c + 2ca

SUM OF

c

)

DIFFERENCE OF CUBES

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

PRODUCT OF TWO BINOMIALS

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

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