

Basic Formulae:

For Algebra / Factorization:-

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

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

$$(a + b) \cdot (a - b) = a^2 - b^2$$

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

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

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

$$(a + b)^3 = a^3 + b^3 + 3ab \cdot (a + b)$$

$$(a - b)^3 = a^3 + b^3 - 3ab \cdot (a - b)$$

$$(a + b)^2 = (a - b)^2 + 4ab$$

Quadratic Formula :-

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Preview from Notesale.co.uk
Page 1 of 1