1.5 Διαφορά τετραγώνων

Τρίτη, 30 Νοεμβρίου 2021 5:11 μμ

$$(\alpha-\beta)(\alpha+\beta) = \alpha^2-\beta^2$$

$$[(\alpha-\beta)(\alpha+\beta) = \alpha^2+\alpha\beta-\alpha\beta-\beta^2 = \alpha^2-\beta^2]$$

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

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

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

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

$$= -(x^2+2xy+y^2) = -x^2-2xy-y^2$$

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