

Finding Special Products

Example: Find the product.

$$(3x + 4)^2$$

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

Perfect Square Trinomial (PST) $9x^2 + 24x + 16$

Example: Find the product.

$$(5m - n)^2$$

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

$$25m^2 - 10mn + n^2$$

PST

Example: Find the product.

$$(x + 3y)(x - 3y)$$

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

Difference of 2 Squares (D2S)

$$x^2 - 9y^2$$