

$$(a+b)^2$$

$$(a-b)^2$$

$$(a+b)(a-b)$$

$$(a+b)^2$$

$$(a-b)^2$$

$$(a+b)(a-b)$$

$$(a+b)^2$$

$$(a-b)^2$$

$$(a+b)(a-b)$$

$$(a+b)^2$$

$$(a-b)^2$$

$$(a+b)(a-b)$$

Example: Find the product.
 $(3x + 4)^2$

Example: Find the product.
 $(5m - n)^2$

Example: Find the product.
 $(x + 3y)(x - 3y)$

Example: Find the product.
 $(3x + 4)^2$

Example: Find the product.
 $(5m - n)^2$

Example: Find the product.
 $(x + 3y)(x - 3y)$

$$(a+b)^2$$

$$(a-b)^2$$

$$(a+b)(a-b)$$

$$(a+b)^2$$

$$(a-b)^2$$

$$(a+b)(a-b)$$

Square of a Binomial
(SUM)

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

Example: Find the product.

$$(3x + 4)^2 \\ 9x^2 + 24x + 16$$

Square of a Binomial
(Difference)

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

Example: Find the product.

$$(5m - n)^2 \\ 25m^2 - 10mn + n^2$$

Sum & Difference
Pattern

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

Example: Find the product.

$$(x + 3y)(x - 3y) \\ x^2 - 9y^2$$

Square of a Binomial
(SUM)

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

Example: Find the product.

$$(3x + 4)^2 \\ 9x^2 + 24x + 16$$

Square of a Binomial
(Difference)

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

Example: Find the product.

$$(5m - n)^2 \\ 25m^2 - 10mn + n^2$$

Sum & Difference
Pattern

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

Example: Find the product.

$$(x + 3y)(x - 3y) \\ x^2 - 9y^2$$

© Lisa Davenport 2013

$$(a+b)^2$$

$$(a-b)^2$$

$$(a+b)(a-b)$$