$(a+b)^2$

$(a-b)^2$

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

$(a+b)^2$

$(a-b)^2$

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

$(a+b)^2$

$(a-b)^2$

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

$(a+b)^2$

$(a-b)^2$

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

Example: Find the product.

$(3x + 4)^2$

Example: Find the product.

$(5m - n)^2$

Example: Find the product.

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

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$(a+b)^2$

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

$(a+b)^2$

$(a-b)^2$

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

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)

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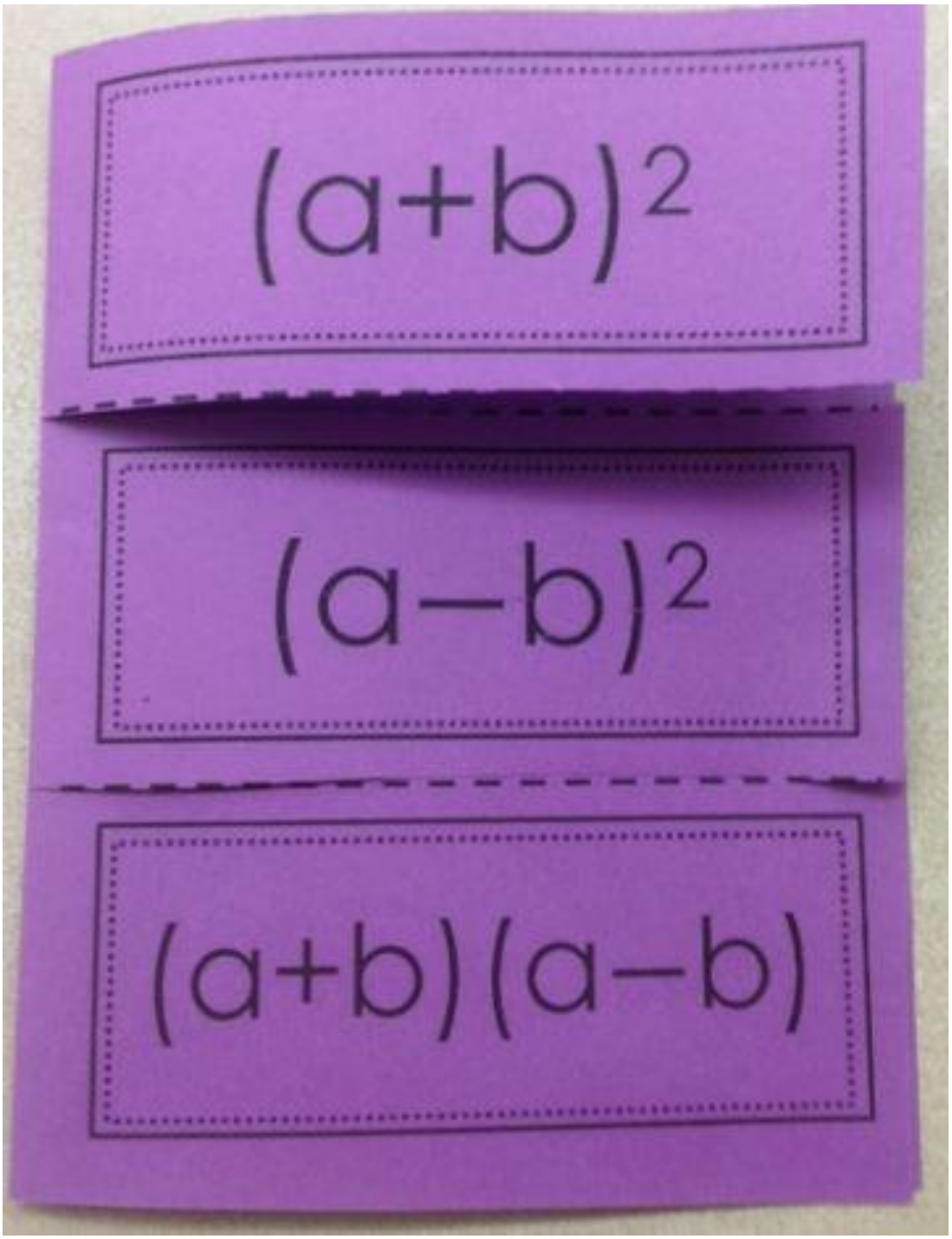
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