

**POLYNOMIALS: FOIL BOX METHOD**

Simplify each expression by Distributive Property

1)  $(3b - 5)(b - 4)$

2)  $(y + 7)(y + 6)$

3)  $(2n + 9)(n - 8)$

**BINOMIAL TIMES TRINOMIAL:** One More Column for 3<sup>rd</sup> term in trinomial

Example 1:  $(a + 3)(a^2 + 7a + 6)$


Example 2:  $(4x + 9)(2x^2 - 5x + 3)$


Example 3:  $(y - 5)(4y^2 - 3y + 2)$


Example 4:  $(2b + 1)(b^2 - 5b + 4)$


Example 5:  $(x - 6)(x^2 - 7x - 8)$

Example 6:  $(3b^2 - 4b)(2b^2 - b + 7)$