## **FOIL METHOD**

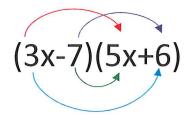
The easy way to multiply two binomials!

First: Multiply the first term in each set of parenthesis

Outer: Multiply the outer term in each set of parenthesis

Inner: Multiply the inner term in each set of parenthesis

Last: Multiply the last term in each set of parenthesis



First:  $(3x)(5x) = 15x^2$ 

Outer: (3x)(6) = 18x

Inner: (-7)(5x) = -35x

Last: (-7)(6) = -42

15x<sup>2</sup> + 18x - 35x - 42

Don't forget to combine like terms!

Answer:  $15x^2 - 17x - 42$