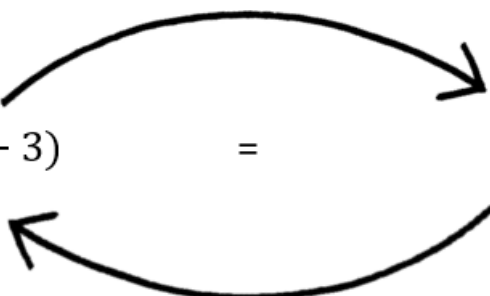# Lesson: Factoring with Trinomials

VOCABULARY

Trinomial: _____

Using FOIL:

$$(x + 2)(x + 3) \qquad =$$

To factor a trinomial, start with something that looks like _____ and end with something

that looks like _____.

What pattern do you notice?

$$(x + 2)(x + 3) \qquad =$$

EXAMPLES

When all terms are positive: $x^2 + bx + c$

1) $x^2 + 3x + 2$

2) $x^2 + 12x + 35$

When *b* is negative: $x^2 - bx + c$

3) $x^2 - 2x + 1$

4) $x^2 - 7x + 10$

When *c* is negative: $x^2 + bx - c$

5) $x^2 + 4x - 21$

6) $x^2 - 3x - 28$