

I can rewrite polynomials by factoring. I can factor trinomials with  $ax^2$ .

**Strategy4: Factor  $ax^2 + bx + c$**

Consider  $2x^2 + 7x + 3$ . Draw out this computation with algebra tiles and then factor it.

**\*To factor  $ax^2 + bx + c$ ,**

1)

2)

3)

4)

Check:

For example, factor

1)  $5x^2 + 11x + 2$

2)  $4x^2 + 7x - 15$

I can rewrite polynomials by factoring. I can factor trinomials with  $ax^2$ .

.....

Independent Practice: Factor

1.  $6x^2 + 19x + 10$

2.  $3x^2 - 13x + 12$

3.  $4y^2 + 7y - 2$

4.  $2x^2 - 7x - 15$

5.  $12y^2 + 17y - 5$

6.  $-2x^2 - 15x - 7$

7.  $4x^2 - 9$

8.  $25y^2 - 4$