Squaring Binomials

The square of a binomial consists of:

- the square of the first term;
- twice the product of the first and last terms; and
- the square of the last term.

Perfect square trinomial: the square of a binomial

To square binomials, use

$$(a+b)^2 = a^2 + 2ab + b^2$$
$$(a-b)^2 = a^2 - 2ab + b^2$$

How to square binomials:

1. Square the first term.

2. Get the product of the first and last terms, then multiply the product by 2.

3. Square the last term