

# **Factoring Perfect Square Trinomials**

## **Perfect Square Trinomial:**

- the result of squaring a binomial
- has first and last terms which are perfect square and a middle term which is twice the product of the square root of the first and last terms

## **Steps in Factoring Perfect Square Trinomials:**

1. Get the square root of the first and last terms.
2. List down the square root as sum or difference of two terms as the case may be.

In symbols,

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

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