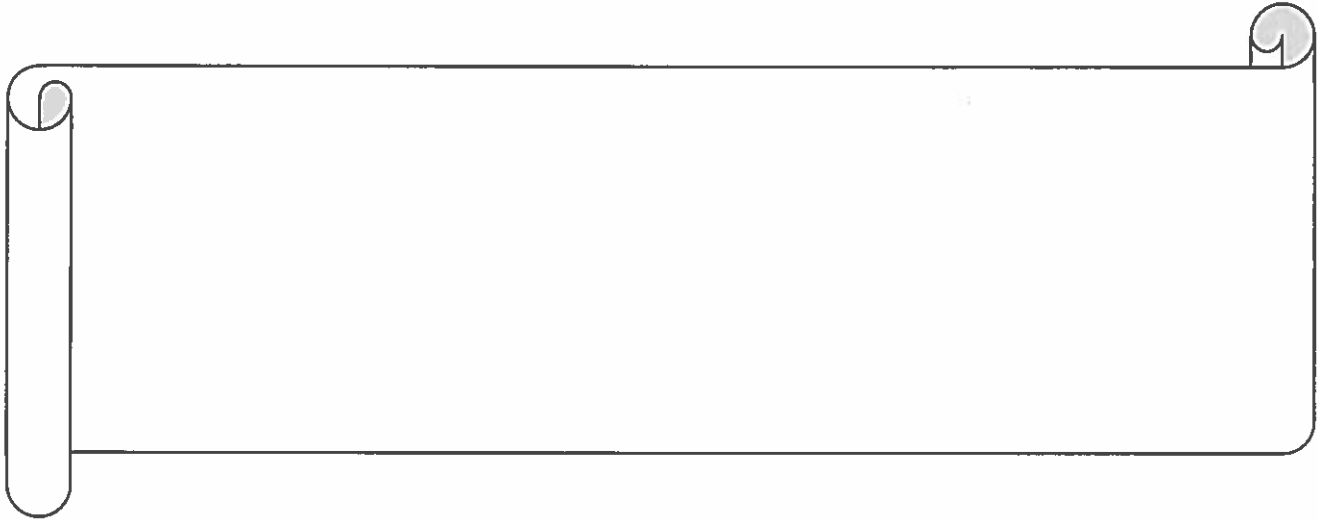


MULTIPLYING A BINOMIAL BY A BINOMIAL

- **Apply the distributive law twice**
- **Collect like terms and simplify**
- **When multiplying binomials of the same degree and of the same "type" the answer is a trinomial unless the two multiplied binomials are conjugates of each other**



Example 1 :

Example 2:

Note: Multiplying two conjugates gives a difference of two perfect squares.

Example:

Multiplication of binomials of the same degree but of a different "type":

Example 1:

↓

Example 2:

Example 3:

Example 4: