SPECIAL PRODUCTS

1. *Square of a Binomial* $(a+b)^2 = a^2 + 2ab + b^2$ *Perfect Square Trinomial*

2. *Square of a Binomial* $(a-b)^2 = a^2 - 2ab + b^2$ *Perfect Square Trinomial*

3. *Cube of a Binomial* $(a+b)^3 = a^3 + 3a^2b + 3ab^2 + b^3$ *Polynomial with this form*

4. *Cube of a Binomial* $(a-b)^3 = a^3 - 3a^2b + 3ab^2 - b^3$ *Polynomial with this form*

5. *Sum and Difference* $(a+b)(a-b) = a^2 - b^2$ *Difference of Two Squares*

6. *Common Term Binomials* $(x+a)(x+b) = x^2 + (a+b)x + ab$ *Polynomial with this form*

7. *Binomial by a Trinomial* $(a+b)(a^2 - ab + b^2) = a^3 + b^3$ *Sum of Two Cubes*

8. *Binomial by a Trinomial* $(a-b)(a^2 + ab + b^2) = a^3 - b^3$ *Difference of Two Cubes*

9. *Square of a Trinomial* $(a+b+c)^2 = a^2 + b^2 + c^2 + 2ab + 2ac + 2bc$ *Polynomial with this form*

10. *Newton's Binomial Theorem* $(a+b)^n = a^n + \cdots + b^n$ *Pascal's Triangle*