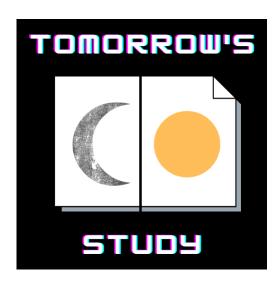
Advance Functions Formula Sheet

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1 Polynomial Functions

Theorem 1 (Factorial) $n! = n \times (n-1) \times (n-2) \times \cdots \times 2 \times 1$

Theorem 2 (Finite Differences)

 $\Delta y = a \times n!$

Theorem 3 (Polynomial Transformation Formula)

 $P(x) = a[k(x-d)]^n + c$