

1.5: Binomial Expansion

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Def: The **binomial expansion** is a general method for expanding functions in the form of $(x + y)^n$

0.1 Method:

$$(x + y)^n = \sum_{k=0}^n \binom{n}{k} x^{n-k} y^k = \sum_{k=0}^n \binom{n}{k} x^k y^{n-k} \quad (1)$$