**Binomial Theorem**

|  |  |  |
| --- | --- | --- |
| 1 | Pascal Triangle | 1  1 1  1 2 1  1 3 3 1  1 4 6 4 1  1 5 10 10 5 1 |

**Observe Expansion**

|  |  |  |
| --- | --- | --- |
| Power | Expand | Number of terms |
|  |  | 1 |
|  |  | 2 |
|  |  | 3 |
|  |  | 4 |
|  |  | 5 |
|  |  | 6 |

**Binomial Theorem General Formula**

**What is**

Example:

**How to calculate**

**Factorial Intro**

**Factorial General Formula**