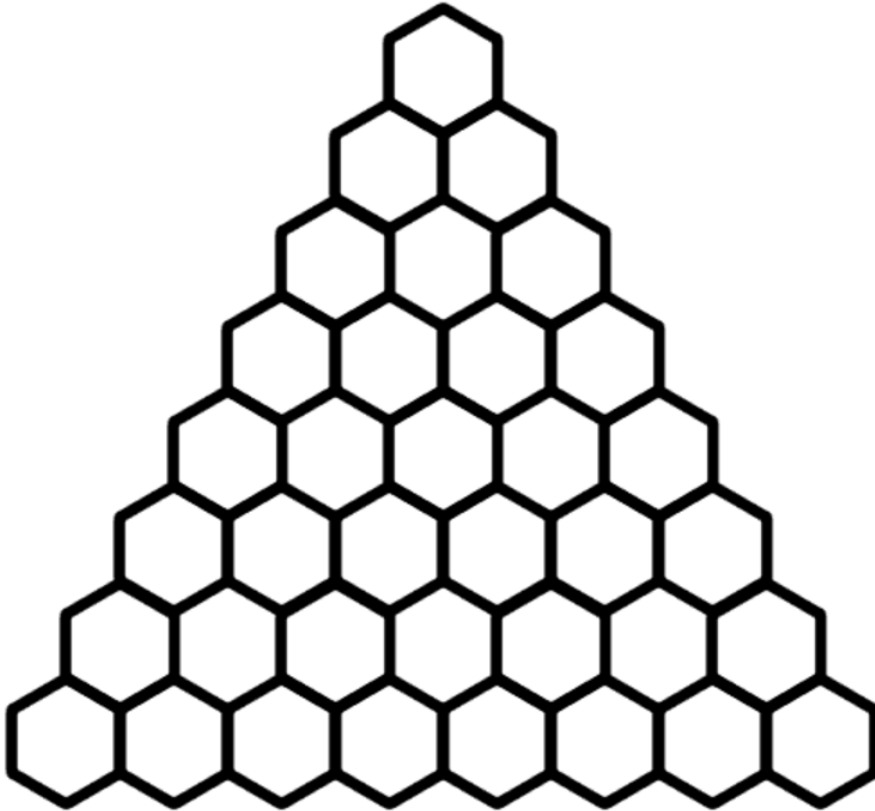


Pascal's Triangle



Steps to Expand Binomials Raised to a Power

1. Determine the row in the triangle & write the coefficients
2. Write the 1st term with each coefficient (Left to Right) with descending powers
3. Write the 2nd term with each coefficient (Right to Left) with descending powers
4. Simplify each term

$$(x + y)^4$$

Expand

1. $(x + 4)^3$
2. $(x - 5)^5$
3. $(2x + 3)^4$
4. $(3x - 2)^5$

Find the specified term.

5. $(x + 6)^7$; *2nd term*
6. $(x - 4)^8$; *9th term*
7. $(2x + 3)^7$; *3rd term*
8. $(4x - 1)^8$; *8th term*