Math 3 **4.1 The Binomial Theorem** Unit 4

*SWBAT expand polynomials using the Binomial Theorem and Pascal’s Triangle.*



**Example 1:** Expand and simplify (x + y)5

**Example 2:** Expand and simplify: (2x - y)3

**Example 3:** Expand and simplify: (2m – 1)4

**Example 4:** Expand and simplify (x – 3y)5

**Example 5:** What is the 2nd term in the expansion of (y – 2x)4?

**Example 6:** What is the 4th term in the expansion of (4y + x)4?