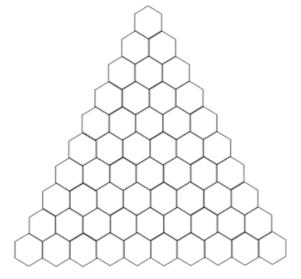
Math 3 Honors Unit 3 Day 9 - Pascal's Triangle

A shortcut you can use when given multiple roots is ______ ____

Fill in Pascal's Triangle.

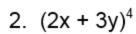


- The rows in Pascal's triangle represent the of each term.
- You will _____ the power of the first term in the binomial and _____ the power of the second term.

Example: $(x+y)^3$ Hint: since our exponent is 3, we will use the row with the 3 in it!!

Expand and write in standard form.

1.
$$(x - y)^5$$



Write the polynomial in standard form with the following zeros.

3. -4 with a multiplicity of 6

4. 1/2 with a multiplicity of 3

Now You Try:

5) Find the 4^{th} term of $(x + y)^7$

6) Find the 6^{th} term of $(2x + 3y)^9$