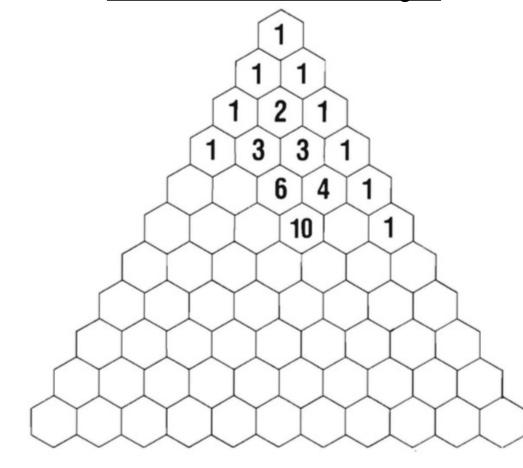


Pascal Triangle Interesting Patterns





How do I use it to help expand binomials?

Observe the pattern below and make a prediction of the final line

$$(a+b)^{0} = 1$$

$$(a+b)^{1} = a+b$$

$$(a+b)^{2} = a^{2} + 2ab + b^{2}$$

$$(a+b)^{3} = a^{3} + 3a^{2}b + 3ab^{2} + b^{3}$$

$$(a+b)^{4} = a^{4} + 4a^{3}b + 6a^{2}b^{2} + 4ab^{3} + b^{4}$$

$$(a+b)^{5} = a^{5} + 5a^{4}b + 10a^{3}b^{2} + 10a^{2}b^{3} + 5ab^{4} + b^{5}$$

$$(a+b)^{6} = \underline{\qquad}$$

Putting it all together

