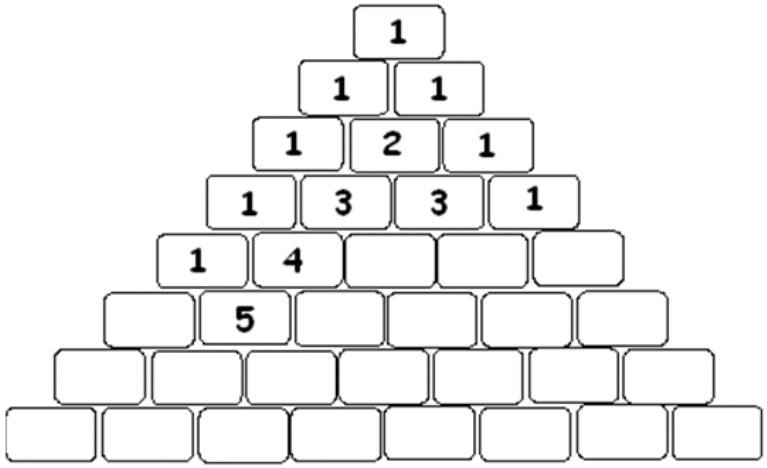
Section 9.5
Binomial Theorem

Notes Reset

Can you see the pattern to finish Pascal's Triangle?



Mulitply. Notice anything???

$(x+y)^2$

$(x+y)^3$

$(x+y)^4$

Notes Reset

Binomial Coefficient

$$ {}_nC_r = \binom{n}{r} = \frac{n!}{(n-r)!r!} $$

Evaluate each.

${}_9C_2$

${}_8C_0$

$\binom{11}{4}$

Notes Reset

Expand.

$(a+b)^6$

$(x+2)^4$

Notes Reset

Expand.

$(2x - y)^5$

$(3 - x^2)^4$

Notes Reset

Find the 5th term.

$(a+2b)^8$

Find the coefficient of the specified term.

$(2a-3b)^{11}$ term: a^4b^7

Notes Reset