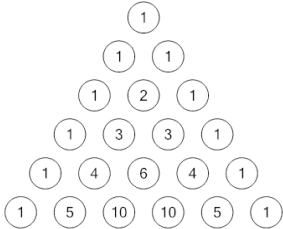


Binomial Theorem - Polynomial with Two Integers and Triangle to Expanded

Polynomial

1 Use Pascal's triangle to fully expand this expression.



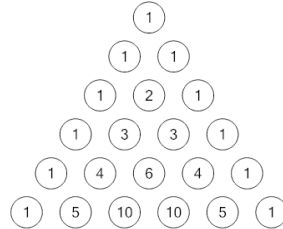
$$(-3m + 2)^3$$

A $-27m^3 + 36m^2 - 12m$

B $54m^2 - 36m + 6$

C $-27m^3 + 54m^2 - 36m + 8$

2 Use Pascal's triangle to fully expand this expression.



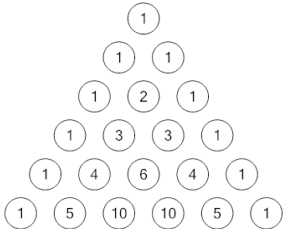
$$(-2y + 3)^2$$

A $4y^2 - 6y$

B $4y^2 - 12y + 9$

C $-12y + 6$

3 Use Pascal's triangle to fully expand this expression.



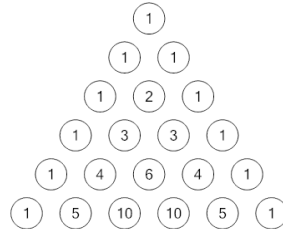
$$(-3q + 3)^3$$

A $-27q^3 + 81q^2 - 81q + 27$

B $81q^2 - 54q + 9$

C $-27q^3 + 54q^2 - 27q$

4 Use Pascal's triangle to fully expand this expression.



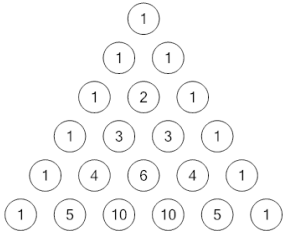
$$(-3r + 3)^4$$

A $81r^4 - 243r^3 + 243r^2 - 81r$

B $-324r^3 + 324r^2 - 108r + 12$

C $81r^4 - 324r^3 + 486r^2 - 324r + 81$

5 Use Pascal's triangle to fully expand this expression.



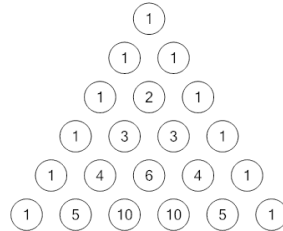
$$(2t - 3)^2$$

A $4t^2 - 6t$

B $4t^2 - 12t + 9$

C $-12t - 6$

6 Use Pascal's triangle to fully expand this expression.



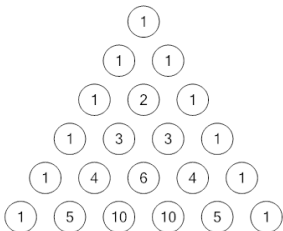
$$(-3n - 2)^2$$

A $9n^2 + 12n + 4$

B $12n - 4$

C $9n^2 + 6n$

7 Use Pascal's triangle to fully expand this expression.



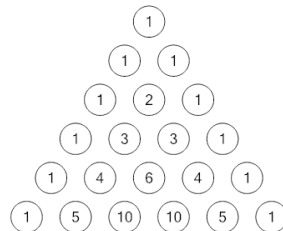
$$(-3q + 2)^2$$

A $9q^2 - 6q$

B $9q^2 - 12q + 4$

C $-12q + 4$

8 Use Pascal's triangle to fully expand this expression.



$$(2n + 2)^4$$

A $64n^3 + 96n^2 + 48n + 8$

B $16n^4 + 64n^3 + 96n^2 + 64n + 16$

C $16n^4 + 48n^3 + 48n^2 + 16n$