

Name: _____ Date: _____

Multiplying Polynomials

Multiplying: Distribute Every Term

1. $2x(-2x - 3)$

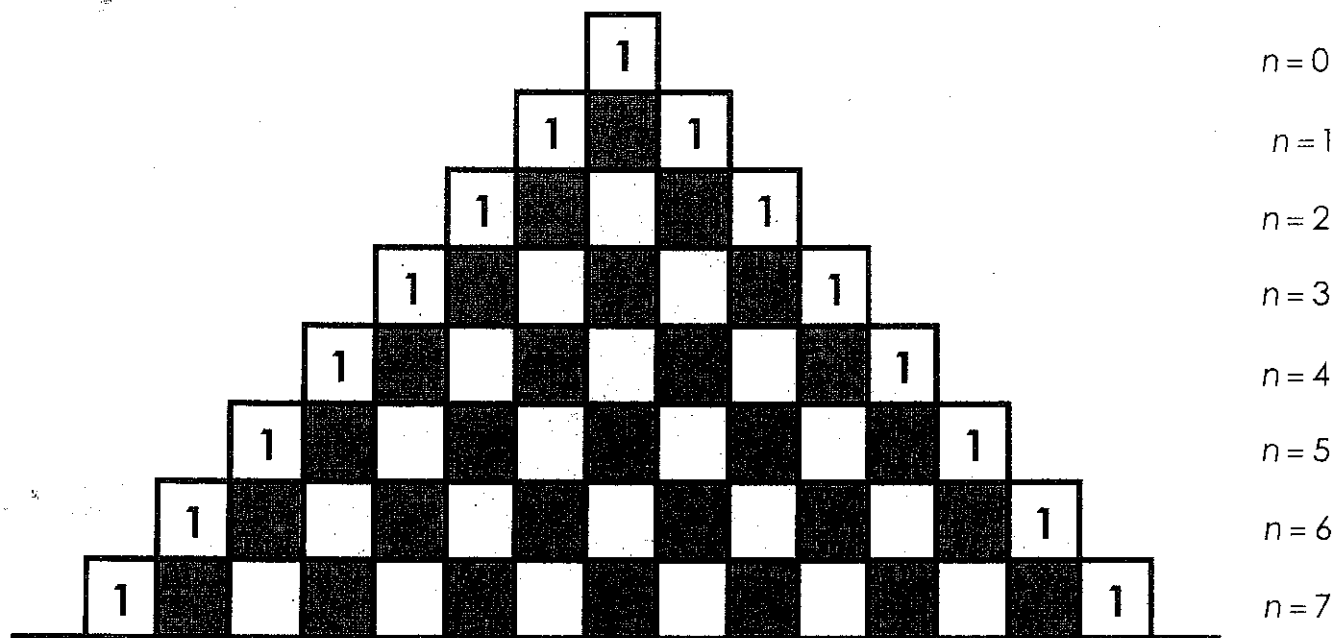
2. $(3m - 1)(8m + 7)$

3. $(2a - 1)(8a - 5)$

4. $(4n + 1)(2n + 6)$

Binomial Theorem

Pascal's Triangle



$(x + y)^0 = 1$

$(x + y)^1 = 1x + 1y$

$(x + y)^2 = 1x^2 + 2xy + 1y^2$

$(x + y)^3 = 1x^3 + 3x^2y + 3xy^2 + 1y^3$

$(x + y)^4 =$ _____

Use the Binomial Theorem and Pascal's Triangle to write each binomial expansion.

5. $(x+3)^5$

6. $(x-2)^4$

7. $(x+5)^4$

8. $(2x+1)^3$
