

Number:

Textbook Section:

Title:

1. Expand $(x + y)^2$.

2. Expand $(x + y)^3$.

3. Expand $(x + y)^4$.

4. Expand $(x + y)^5$.

5. Expand $(y - 2)^4$.

Recall Pascal's Triangle

The Binomial Theorem: $(x + y)^n =$

6. Find the coefficient of a^3z^9 in the expansion of $(a+z)^{12}$.

7. Find the sixth term in the expansion of $(3x+2)^8$.

8. Find the coefficient of x^4 in the expansion of $\left(x - \frac{2}{\sqrt{x}}\right)^{10}$.

9. Find the coefficient of $x^2y^4z^3$ in the expansion of $(x+2y-z)^9$.