

## Binomial Expansion

**Expand completely.**

1)  $(y + 4)^3$

2)  $(x + 2)^4$

3)  $(x - 3)^3$

4)  $(y - 2)^6$

5)  $(2x + 1)^6$

6)  $(x + 2)^7$

7)  $(y - x)^5$

8)  $(y - 4x)^4$

**Find each term described.**

9) 3rd term in expansion of  $(3y + 1)^4$

10) 4th term in expansion of  $(y + 2)^7$

11) 3rd term in expansion of  $(x + 3)^5$

12) 2nd term in expansion of  $(2x + 1)^7$

13) 6th term in expansion of  $(3u + 2v)^5$

14) 5th term in expansion of  $(u - 2v)^6$