

Name \_\_\_\_\_ Date \_\_\_\_\_

Quiz: The Binomial Theorem

1. Expand:  $(x^2+3y^2)^7$

2. Expand:  $(x-3y)^6$

3. Expand:  $(4a+3b)^5$

4. Expand:  $(4x^2-6)^5$

5. Expand:  $(x^2-7y)^7$

6. Find the 5<sup>th</sup> term of  $(2x-3)^4$

7. Find the 3<sup>rd</sup> term of  $(7x+3b^2)^7$

8. Find the 3<sup>rd</sup> term of  $(x+6)^7$

9. Find the 3<sup>rd</sup> term of  $(2x+9)^7$

10. Find the last term of  $(x+3)^7$