Sigma notation

Name _____ Date _____

1. $\sum_{k=0}^{4} 3^k =$ _____

2. $\sum_{k=2}^{8} (k^2 + 1) =$ _____

3. $\sum_{k=0}^{5} (-2k - 6) =$ _____

4. $\sum_{k=1}^{6} 3^k =$ _____

5. $\sum_{k=0}^{4} (k^2 + 1) =$ _____

6. $\sum_{k=1}^{6} 5k =$ _____

7. $\sum_{k=2}^{4} (k^2 - k) =$ _____

8. $\sum_{k=2}^{8} (k - 9) =$ _____

9. $\sum_{k=1}^{4} (k^2 + 1) =$ _____

10. $\sum_{k=1}^{4} k^2 =$ _____

11. $\sum_{k=1}^{7} (-k - 4) =$ _____

12. $\sum_{k=2}^{6} 2^k =$ _____

13. $\sum_{k=1}^{8} (k^2 + 1) =$ _____

14. $\sum_{k=1}^{5} 2^k =$ _____

Sigma notation

15. $\sum_{k=0}^{3} 3^k =$ _____

16. $\sum_{k=2}^{6} (4k - 6) =$ _____

17. $\sum_{k=1}^{7} (k^2 + 1) =$ _____

18. $\sum_{k=1}^{5} 2k^2 =$ _____

19. $\sum_{k=2}^{4} k^2 =$ _____

20. $\sum_{k=1}^{4} 2^k =$ _____

21. $\sum_{k=0}^{8} (k^2 + 1) =$ _____

22. $\sum_{k=1}^{5} (2k + 4) =$ _____

23. $\sum_{k=1}^{5} 3^k =$ _____

24. $\sum_{k=2}^{7} -2k =$ _____

25. $\sum_{k=1}^{3} 3^k =$ _____

26. $\sum_{k=1}^{6} 2^k =$ _____

27. $\sum_{k=2}^{8} (-k - 5) =$ _____

28. $\sum_{k=2}^{5} (2k + 9) =$ _____

29. $\sum_{k=1}^{7} 2k^2 =$ _____

30. $\sum_{k=0}^{7} 2k^2 =$ _____