Math 4 Honors Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Lesson 5-7 Learning Check Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In this learning check, you will be assessed on the following objectives:

* *I can use summation notation used to write sums.*
* *I can rewrite sums recursively.*

For #1 & #2, evaluate the series. *Show your work.*

1.  2. 

3. Write using summation notation: 

4. Let *S*(*n*) be the statement: 



1. Find and show true for *S*(8).



1. Write recursively.



1. Use (a) and (b) to find .