SECONDARY MATH 3

**CORE STANDARDS**

A.SSE.4

LESSON

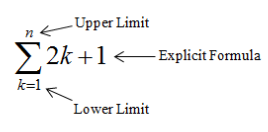
**7-1**

OBJECTIVE **1.** I can evaluate a series with and without technology.

NOTES Sequence: a list of terms where and is the nth term.

Series: the sum of a sequence.

Geometric series: sum of a sequence , where is the first term and is the common ratio.



EXAMPLES Write out and evaluate each sum.



1. 2. 3.

4. Use Technology to find the sum of

5. Write in Sigma notation.



PRACTICE **7-1** NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[SHOW YOUR WORK]

Write out and evaluate each sum.

Write each series using sigma notation.