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Algebra 2 - Geometric Series

The video covers the following exercises. Please print this sheet and work along!

Please calculate the sum of the following sequence: $a_1 = 3$, $r = 2$, $n = 10$

First, the equation for a geometric series is:

$$S_n = \underline{\hspace{2cm}}$$

Please calculate the sum of the following sequence: 1, -4, 16, -64

In a word, what does the Greek symbol Σ mean, with regards to math? _____

Please calculate: $\sum_{k=1}^6 \frac{1}{3}(3)^{k-1}$

Please calculate: $\sum_{k=5}^{13} \frac{1}{3}(3)^{k-1}$