

Finite Geometric Series

Evaluate on the calculator

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

2. $\sum_{k=5}^{10} 4k - 3$

3. $\sum_{k=1}^4 k^2 + 1$

Determine how many terms in the geometric sequence and then find the sum

4. $4, 12, 36, \dots, 108$

5. $2 + 4 + 8 + 16, \dots + 128$

6. $-3 + 9 - 27 + \dots - 243$

7. $6, -18, 54, \dots, -1458$