

# C11 - 1.6 - Sigma Notation WS

Take the sum of the terms  $a_k$  from the index to  $n$ , going up by 1 each time.

Arithmetic

$$\sum_{k=1}^5 3k =$$

$$\sum_{k=2}^5 2k - 1 =$$

$$\sum_{k=2}^5 -2k - 1 =$$

Geometric

$$\sum_{k=2}^6 3(2)^{k-1} =$$

$$\sum_{k=1}^4 2(3)^{k-1} =$$

$$\sum_{k=1}^{\infty} 3\left(\frac{1}{2}\right)^{k-1} =$$

