

Sigma notation

Expand sigma

1. Ex	oand and evaluate	$\sum_{k=1}^{6} 3k$.		
2. Ex	oand and evaluate	$\sum_{k=1}^{4} 2(k +$	1).	



Find the sum

1. Find the value of $\sum_{r=2}^{33} 5(3)^r$.					
2. Find the value of $\sum_{r=6}^{29} 4(2)^r$.					



Write sigma notation for arithmetic sequence

1. Consider the sum of the arithmetic sequence is 4 + 11 + 18 + 25 + ... + 95. Write the sigma notation. 2. Consider the sum of the arithmetic sequence is 5 + 2 - 1 - 4 + ... -64. Write the sigma notation.



Write sigma notation for geometric sequence

1. Consider the sum of the geometric sequence is 4 + 8 + 16 + 32 + ...+2048.Write the sigma notation. 2. Consider the sum of the geometric sequence is $\frac{1}{3} + \frac{1}{6} + \frac{1}{12} + \frac{1}{24}$ + ... for n terms. Write the sigma notation.