

Quiz: Sigma Notation and Series

1 Find S_4 for the sequence: 9, 18, 27, 36, 45, 54, 63, 72, 81, 90

2 Find S_3 for the sequence: $a_n = (1/6)^n$

3 Evaluate: $\sum_{x=1}^5 (3x+7)$

4 Evaluate: $\sum_{k=1}^5 1/20k$

5 what is the difference between the sum of the series $\sum_{x=1}^3 (5n-1)$ and sum of the series $\sum_{x=1}^3 5n-1$

6 what is the difference between the sum of the series $\sum_{x=1}^3 (7n+2)$ and sum of the series $\sum_{x=1}^3 7n+2$

7 Evaluate: $\sum_{k=1}^7 9kx$

8 Use sigma notation to represent: $8+17+26+35+\dots$ for the 90 terms

9 Use sigma notation to represent: $1+9+17+25+\dots$ for the 38 terms

10 Use sigma notation to represent: $5.6+4.8+4+3.2+\dots$ for the 100 terms

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%