

Sigma Notation

Let $s_n = 1 + 3 + 5 + \dots + (2n - 1)$ for $n \in \mathbb{Z}^+$.

1. Express s_n using σ notation.
2. Calculate s_1 , s_2 and s_3 .
3. Find a recurrence relation which expresses s_{n+1} in terms of s_n .

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