

## Finding $n^{\text{th}}$ term

The  $n^{\text{th}}$  partial sum of the series is given. Find the indicated term of the series.

1)  $S_n = \left(\frac{n}{n+1}\right)$ ; 12<sup>th</sup> term

2)  $S_n = -n^3$ ; 47<sup>th</sup> term

3)  $S_n = n(n + 10)$

3<sup>th</sup> term

5)  $S_n = 2(n^3 - n^2)$

); 34<sup>th</sup> term

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7)  $S_n = (8n^2 - 3)$ ; 41<sup>st</sup> term

8)  $S_n = \left(\frac{1}{n+1}\right)$ ; 9<sup>th</sup> term