

Indicated Partial Sum

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

1) $S_n = \frac{9n^3}{n+1} ; S_7$

2) $S_n = 6n^2 + 5n + 21 ; S_{21}$

3) $S_n = (n^2 + 1$

$n^4 ; S_{11}$

5) $S_n = (2n - 5$

$(n - 8)(n + 2) ; S_{29}$

7) $S_n = 81 + n^2 ; S_{42}$

8) $S_n = \frac{1}{12} - n ; S_{32}$

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