

Indicated Partial Sum

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

1) $S_n = 23n^2 + n ; S_8$

2) $S_n = (n + 1)(n + 7) ; S_{17}$

3) $S_n = n^2 - 6.$

- 1 ; S_{47}

5) $S_n = 2n^2 - 7$

$(3)^2 ; S_{25}$

7) $S_n = \frac{n^3 - 1}{n^2 - 1} ; S_{16}$

8) $S_n = 15n^3 ; S_{11}$

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