

## Indicated Partial Sum

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

1)  $S_n = n^2 - n + 7 ; S_{41}$

2)  $S_n = 105 + 15n^2 ; S_{15}$

3)  $S_n = (3n + 1) ; S_8$

5)  $S_n = \frac{n^2 + 1}{n + 1} ; S_{20}$

7)  $S_n = n^2 - 729 ; S_{50}$

8)  $S_n = 2n(231 - 11n) ; S_{33}$

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