

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

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

1)  $S_n = n(n - 2)$ ; 48<sup>th</sup> term

2)  $S_n = (n^2 - 3)$ ; 21<sup>st</sup> term

3)  $S_n = \left(\frac{7 + n^2}{2}\right)$

# PREVIEW

; 39<sup>th</sup> term

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5)  $S_n = \frac{5}{n}$ ; 7<sup>th</sup>

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;  $n + 15$ ); 18<sup>th</sup> term

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7)  $S_n = 8n^3$ ; 50<sup>th</sup> term

8)  $S_n = \left(\frac{n^2 - n}{5}\right)$ ; 11<sup>th</sup> term