

Name : _____

Special Series

T2S1

Determine the number of terms(n) in each series.

1) $\sum_{k=1}^n (-40 - k) = -506$

2) $\sum_{a=1}^n 3a^3 = 70227$

3) $\sum_{x=1}^n 5x^3 = 170$

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= 1377

5) $\sum_{w=1}^n 88w = 1377$

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7) $\sum_{q=1}^n (2q - 1)^3 = 101025$

8) $\sum_{b=1}^n -b^3 = -76176$

Special Series

Determine the number of terms(n) in each series.

1) $\sum_{k=1}^n (-40 - k) = -506$

n = 11

2) $\sum_{a=1}^n 3a^3 = 70227$

n = 17

3) $\sum_{x=1}^n 5x^3 = 170$

n = 5

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5) $\sum_{w=1}^n 88w = 1377$

n = 18

= 1377

7) $\sum_{q=1}^n (2q - 1)^3 = 101025$

n = 15

8) $\sum_{b=1}^n -b^3 = -76176$

n = 23