

Name : _____

Special Series

T2S4

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

1) $\sum_{f=1}^n f^3 = 123201$

2) $\sum_{d=1}^n (15 - 9d) = -1425$

3) $\sum_{w=1}^n 9w = 56$

) = 700

5) $\sum_{s=1}^n (16s - 8)$

= -12960

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7) $\sum_{p=1}^n 6p^3 = 66150$

8) $\sum_{r=1}^n (2r - 1) = 1369$