

Name : \_\_\_\_\_

## Evaluate: Special Series

T2L1S1

Evaluate each series.

1)  $\sum_{d=1}^9 (3d + d^2)$

2)  $\sum_{v=1}^7 (6v^2 - 4v^3)$

3)  $\sum_{f=1}^{19} 5f^2$

5)  $\sum_{h=1}^{13} (14h +$

7)  $\sum_{y=1}^8 (5 - y^3)$

8)  $\sum_{z=1}^{37} (z^3 + 2z)$

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**Evaluate: Special Series**

Evaluate each series.

1)  $\sum_{d=1}^9 (3d + d^2)$

**420**

2)  $\sum_{v=1}^7 (6v^2 - 4v^3)$

**-2296**

3)  $\sum_{f=1}^{19} 5f^2$

**12350**

5)  $\sum_{h=1}^{13} (14h + 5)$

**67525**

7)  $\sum_{y=1}^8 (5 - y^3)$

**-1256**

8)  $\sum_{z=1}^{37} (z^3 + 2z)$

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