

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

## Expanded Sum

Sheet 1

Rewrite each series as an expanded sum.

1)  $\sum_{d=2}^7 (d^2 + 1)$

2)  $\sum_{y=1}^4 (5y^2 - 1)$

3)  $\sum_{g=0}^3 (8^g \cdot 2!)$

4)  $\sum_{h=3}^8 ((1 - 2^h) \cdot 3!)$

5)  $\sum_{t=1}^5 \left( \frac{9 + 2t}{5} \right)$

6)  $\sum_{x=0}^4 \frac{6^x}{3}$

7)  $\sum_{r=3}^6 (\sqrt{3} \cdot r^2)$

8)  $\sum_{a=4}^9 (0.5a - 4)$