Name : _____ Score : _____

Teacher : _____ Date : _____

General Series

Rewrite each series as a sum.

1) $\sum_{a=1}^{6}(a)$

2) $\sum_{a=1}^{5}(3a)$

3) $\sum_{a=1}^{5}(21 - 3a)$

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

Evaluate each series.

5) $\sum_{a=0}^{4}(97 - a)$

6) $\sum_{a=1}^{5}(2^a)$

7) $\sum_{a=0}^{4}(3a^2 - 1)$

8) $\sum_{a=1}^{4}(5 \cdot 4^a)$

Rewrite each series in sigma notation.

9) 93 + 90 + 85 + 78 + 69 + 58

10) -5 + -1 + 3 + 7 + 11 + 15

11) 6 + 20 + 42 + 72 + 110 + 156

12) 99 + 97 + 91 + 81 + 67