Name _____                                           Date _____
Mr. Schlansky                                                Algebra II

# *Evaluating Summations*

1. What is the value of $\displaystyle\sum_{k=0}^{2} 3(2)^k$ ?

2. What is the value of $\displaystyle\sum_{k=1}^{3} (2-k)^2$ ?

3. What is the value of $\displaystyle\sum_{n=2}^{6} \frac{n}{2}$ ?

4. What is the value of the expression $\displaystyle\sum_{n=0}^{2} n^2 + 2^n$ ?

5. Evaluate: $\displaystyle\sum_{n=1}^{3} n^4 - n$

6. Evaluate: $\displaystyle\sum_{n=4}^{7} \frac{1}{2}n^2 - 1$

7. Evaluate: $\displaystyle\sum_{k=1}^{5} k^3 - 1$

8. Evaluate: $\displaystyle\sum_{x=2}^{4} x^2 - 5$