

CALCULUS  
Summation  
OLD

0070-1. Compute  $\Delta(n^3 + 2n^2 - 7n + 1)$ .

0070-2. What is the degree, in  $n$ , of  
 $\Delta(n^{100} + 45n^{50} + 8n^2 + 2n + 5)$ ?

0070-3. Find an expression  $a_n$  of  $n$   
s.t.  $\Delta a_n = n^3 + 2n^2 - 7n + 1$ .

0070-4. What is the degree, in  $n$ , of  
a polynomial expression  $b_n$  of  $n$   
s.t.  $\Delta b_n = n^{100} + 45n^{50} + 8n^2 + 2n + 5$ ?