

CALCULUS
The Sigma Notation
NEW

0080-1. Compute $\sum_{k=4}^7 \sin k$ to two decimal places.

0080-2. Find a polynomial in n that,

for all integers $n \geq 1$, is equal to $\sum_{j=1}^n (6j^2 + 4j)$.

0080-3.
NEW

a. Compute $\sum_{l=7}^9 [-2l^2 + l]$.

b. Compute $-2 \left[\sum_{l=7}^9 l^2 \right] + \left[\sum_{l=7}^9 l \right]$.

0080-4.
NEW

a. Compute $\sum_{l=4}^7 \ln(l)$ to five decimal places.

b. Compute $\sum_{l=2}^5 \ln(l + 2)$ to five decimal places.

a. Compute $\sum_{n=2}^3 [\ln n][n^2]$

to three decimal places.

b. Compute $\left[\sum_{n=2}^3 \ln n \right] \left[\sum_{n=2}^3 n^2 \right]$

to three decimal places.