MATH 3D Prep: Sigma Notations

1. Rewrite the sum $\sum_{i=0}^{m-2} \frac{i+2}{m} \ln(1+i)$ as a sum that ends at $i = m$.

2. Write the sum $\sum_{n=1}^{\infty} n(n+1)x^{n+1} + \sum_{n=1}^{\infty}(n+3)x^{n-1}$ in the form $\sum_{n=c}^{\infty} a_n x^n$.