Late homework will not be accepted.

Name: ________________________________________

Read chapter 8.

Write a function that will calculate

\[ f(x) = a_0 + a_1 x + a_2 x^2 + \ldots a_{N-1} x^{N-1} = \sum_{i=0}^{N-1} a_i x^i \]

where the \( a_i \)'s are constants. The function has three arguments: a real variable representing \( x \), a real array representing the constant coefficients (the first element represents \( a_0 \) and the last \( a_{N-1} \)), and an integer variable specifying the number of terms. We want to be efficient, so your function should not use exponentiation (there is no need for it).