**Sections 7.2 and 7.3 – Analyzing Algorithms**

Write an algorithm in pseudocode for the following input and output.

Input: a1, a2,...,an, a sequence of numbers, where n ≥ 2  
          n, the length of the sequence.  
Output: The second smallest number in the sequence

Define

* Big-Oh (your book tends to like just “Oh)
* Omega
* Theta

For each of the following algorithms develop a reasonable value for f()



