Spring 2018 Algorithms and Analysis Tools Exam, Part A

2) (5 pts) ANL (Algorithm Analysis)

An algorithm processing an array of size n runs in $O(n^3)$ time. For an array of size 500 the algorithm processes the array in 200 ms. How long would it be expected for the algorithm to take when processing an array of size 1,500? Please express your answer in **seconds**.
