Summer 2019 Algorithms and Analysis Tools Exam, Part A

2) (5 pts) ANL (Algorithm Analysis)

An algorithm to process a query on an array of size n takes $O(\sqrt{n})$ time. For $n = 10^6$, the algorithm runs in 125 milliseconds. How many **seconds** should the algorithm take to run for an input size of n = 64,000,000?
