1. ) a. T(n) = An + B for some constants A and B
2. ) 2/N, 37, sqrt(N), N, NlollogN, NlogN, Nlog(N^2), Nlog^2(N), N^1.5, N^2, N^2logN, N^3, 2^N
3. )
   1. O(N)
   2. O(N^2)
   3. O(N^3)
   4. O(N^2)
4. )
   1. O(N)
   2. O(N^2)
5. )
   1. 2.5ms
   2. 3.373712505ms
   3. 12.5ms
   4. 62.5ms
6. ) R-4.7
   1. (n0==1)
7. R-4.8
   1. (n0==20)