**PSET -6:**

Problem 1

Problem 1-1

1/1 point (graded)

The ONLY thing we are interested in when designing programs is that it returns the correct answer.

True

False correct

Problem 1-2

1/1 point (graded)

When determining asymptotic complexity, we discard all terms except for the one with the largest growth rate.

True correct

False

Problem 1-3

1/1 point (graded)

Bisection search is an example of linear time complexity

True

False correct

Problem 1-4

1 point possible (graded)

For large values of n, an algorithm that takes 20000n^2 steps has better time complexity (takes less time) than one that takes 0.001n^5 steps

True

False