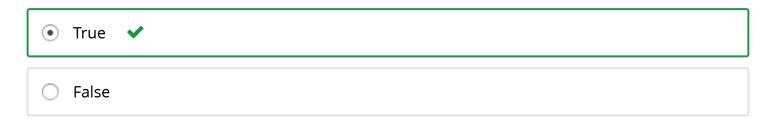**edX**   **MITx: 6.00.1x Introduction to Computer Science and Programming Using …**

PROBLEM 1-1 (1/1 point)

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

○ True

● False ✔

You have used 1 of 1 submissions

PROBLEM 1-2 (1/1 point)

Roughly speaking, under the RAM model of computation, adding two numbers takes the same amount of time as dividing them.

● True ✔

○ False

You have used 1 of 1 submissions

PROBLEM 1-3 (1/1 point)

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

● True ✔

○   False

SHOW ANSWER   *You have used 1 of 1 submissions*

PROBLEM 1-4 (1/1 point)

Bisection search is an example of linear time complexity

○   True

⊙   False   ✔

You have used 1 of 1 submissions

PROBLEM 1-5 (1/1 point)

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

You have used 1 of 1 submissions

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