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### 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



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### 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




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### 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


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### PROBLEM 1-4 (1/1 point)

Bisection search is an example of linear time complexity

- ☐ True
- ☒ False 


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### PROBLEM 1-5 (1/1 point)

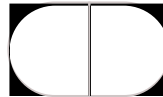
For large values of  $n$ , an algorithm that takes  $20000n^2$  steps has better time complexity (takes less time) than one that takes  $0.001n^5$  steps

- ☒ True 
- ☐ False

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