

California Institute of Technology  
Department of Computer Science  
Introduction to Computation

CS1, Fall 2008

Daily Quiz #4

October 8, 2008

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**Due:** end of class **today**

1. [0.1] Who are you? Give your CS cluster username: \_\_\_\_\_
2. [0.2] Write a function definition, in lambda form, for  $|a - b|$  (absolute value of  $a - b$ ) given the two arguments  $a$  and  $b$ . Use `if` but don't use the built in `abs` function.


3. [0.2] Please order the following functions by size as  $n \rightarrow \infty$ :

$$\{ n^2, 10n, 42, 2^n, 100n, \log_2(n) \}$$

largest							smallest
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(0.2 points is for providing answers to this question, not for getting it correct. This question is entirely to calibrate the course staff on the prior knowledge of the students so we can tune the lecture, assignments, recitations, and tutorials appropriately.)

4. Please answer the lecture feedback questions on the feedback handout.