

California Institute of Technology
Department of Computer Science
Introduction to Computation

CS1, Fall 2008

Daily Quiz #1

September 29, 2008

Due: end of class **today**

1. Who are you?

(a) Name: _____

(b) CS cluster username (optional today, mandatory next week): _____

0.1 points for filling in correctly, -0.4 points for omitting (*i.e.* we cannot credit any of this to you if you don't tell us who you are).

2. Please read the following: In the future, question two will be a short question from the reading or the material covered during the previous lecture or two.

We expect you to keep up with the reading. On Wednesday, we will ask a question from the forward of the textbook (page xi) through section 1.1.4 (page 13). In general, you can find the reading assignments on the course webpage; we will not remind you here again.

- Did you read the above notice? _____

0.2 points for the correct answer. (the correct answer is “yes”; just remember the honor code and derive that answer yourself.)

3. Please answer the following:

(These questions are entirely to calibrate the course staff on the prior knowledge of the students so we can tune the lecture, assignments, recitations, and tutorials appropriately.)

(a) If A is **true**, B is **false**, and C is **true**,
what is $(A \text{ and } (B \text{ or } (\text{not } C)))$? **true** **false** (circle correct answer)

(b) Express 6_{10} in 5 binary digits:

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(c) Express 1011_2 in 2 base 10 digits:

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(d) What is $\lceil \log_2(23) \rceil$ expressed in base 10?

(The weird brackets mean the “ceiling” operator.):

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0.2 points for providing answers to this question (even if they're incorrect).

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