

Name: \_\_\_\_\_

**Exercise A2, 1/25/05****Your Ideas about Theory of Computation**

In this course, you are expected to improve and refine your understanding of the Theory of Computation so that you can *apply* it to your problems that would surface in your career (life). In this part of the exercise, you will examine your current understanding related to the Theory of Computation, as a starting point. Note that you are not expected to “study” to respond to this exercise. Write as much as you know at this point.

**Task 1** (review): Identify ideas/concepts you know (in Computer Science) that can be considered as theories. Try to analyze *both* the organization (i.e., axioms, rules of inference, and theory) *and* the significance of each of the examples. Although many ideas discussed in CS may not have been labeled as “theories,” there are many concepts that can be considered theory. If you have difficulty coming up with a candidate, identify *some* theory (not necessarily in CS, e.g., Unit A2 Group Exercise 2 “Justice”) and do the same.

**Task 2** (in connection to Unit A2 Group Exercise 3): Examine whether any of the theories you identified in **Task 1** is useful for analyzing/solving your own problems (e.g., those in Exercise 00). If you think the theories you know are not sufficient to tackle your problems, what kind of theory would you need?

Be prepared to discuss this part in class.

Instructions/Notes:

1. Follow the general guidelines given in earlier exercises. ....

Survey: Time spent between classes: \_\_\_\_\_

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