

## L1 PROBLEM 1 (3.75/5 points)

1. What is the difference between an Algorithm and a Program?

- ☒ An algorithm is a conceptual idea, a program is a concrete instantiation of an algorithm. ✓
- ☐ An algorithm is limited to mathematical operation, a program can specify all kinds of operations.
- ☐ An algorithm makes a slow program run fast.
- ☐ An algorithm deals with computer hardware, a program deals with computer software.

2. True or False? A computational mode of thinking means that everything can be viewed as a math problem involving numbers and formulas.

- ☐ True
- ☒ False ✗

3. True or False? Computer Science is the study of how to build efficient machines that run programs.

- ☐ True
- ☒ False ✓

4. The two things every computer can do are:

- ☒ Perform calculations
- ☐ Convert electricity to numbers
- ☐ Display results to a screen
- ☒ Remember the results

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