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L1 PROBLEM 1 (5/5 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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