

Credit Name: CSE 2140 2nd Language Programmimg

Assignment Name: MathTutor

**The following questions can helpy you in thinking critically about your problem-solving processes:**

#### **Understanding the Problem**

How did you approach understanding the challenge?

Were there any parts of the problem you found confusing at first? If so, how did you resolve that confusion?

I understood the challenge eaisily, but there were some elements of implementation that I did not fully understand until later. I found the display of operators and rounding confusing, but I resolved the confusion by thinking a bit differently and asking AI.

#### **Planning the Solution**

Did you create a plan or break the problem into smaller steps before coding?

How did you decide on the tools, data structures, or algorithms to use?

I broke the problem into 6 different parts. I used tools based on what roadblocks came up in the program, and AI told me some things to use when I could not figure things out.

#### **Implementation**

Did you write the code in small pieces or attempt the entire solution at once?

How did you test your solution along the way to make sure it was working?

I wrote it in multiple pieces, with piece 6 being the hardest to code. I tested individual parts when I could, and sometimes tested individual features before putting them together as a whole.

#### **Overcoming Challenges**

What part of the problem was the most difficult for you?

How did you handle moments when you felt stuck or unsure of what to do next?

The most difficult part was ensuring that the program rounded the way I wanted it to. I used the textbook and AI when I felt stuck.

#### **Learning**

Was there anything you learned that you think will help you with future challenges?

I think that learning about why the program rounded in an odd manner was valuble and knowing how to change it will be useful in the future.