Honors Assignment 1

The honors assignments will be focused on the use of AI to solve and pose mathematical problems. You will complete them in teams of two.

1. Find another person to be your teammate.

2. Select an AI system to use for the semester. (Teammates do not have to select the same system.) They can be general systems (ChatGPT, CoPilot, vimGPT, etc.) or mathematically specialized (Khanmigo, WolframAlpha, MathGPT Pro, etc.).

3. Pick two odd-numbered non-proof problems from each of the sections below:

   - Teammate A: sections 1.1, 3.5, 2.1
   - Teammate B: sections 2.3, 1.2, 2.2

4. Ask your system to solve each of your six problems. Do **NOT** refine your prompt unless you get no answer at all. (If you are having serious difficulty, reconsider the system you selected.)

5. Give your results to your other teammate.

6. Critique and fix the results you were given:

   - Did the system get the right answer?
   - Using techniques we have used in class?
   - Were any steps missing? (If so, fill them in.)

The goal is to get a solution which would be usable as part of an answer key, a handout example, etc.