

AI-Assisted Math Learning Assignment

This assignment helps you use AI tools (like ChatGPT, Claude, Gemini, Perplexity, etc.) to better understand a challenging math concept from your fourth-quarter material. You will not just get answers from AI — you will think critically about those answers, verify them, and practice until you can solve similar problems on your own.

Steps to Complete **Document your process on paper (typed or handwritten).*

Step 1 — Choose a Math Topic

- Select a math concept from the fourth quarter that you find challenging.
- Start your conversation with the AI using this prompt:
“Can you help me work through the math concept of _____? Here is a specific example I am trying to figure out: ...”

Step 2 — Work Through the Concept with AI

- Describe the method the AI used to solve your problem.
- Do you like the method? Does it make sense to you? Do you agree with the solution?
- If you want to explore further or check the AI’s work, try asking:
 - “Is there another method I can use to solve this problem?”
 - “Can you check your own work and confirm that answer is correct?”

Step 3 — Practice with Similar Problems

- Ask the AI to create a similar practice problem for you to solve on your own.
- Show your own complete work for solving it.
- If you need the AI to walk you through the steps again, just ask. Repeat as many times as you need.

Step 4 — Self-Assessment

- If your teacher gave you a similar problem right now, could you solve it correctly?
- If yes — you’re finished!
- If no — return to Step 3 and keep practicing until you feel confident.

Rubric

Points	Description	Your Score
3	Large Language Model Identified Identify which AI tool you used. Confirm that your question corresponds to a math topic covered during the fourth quarter. (Respond in complete sentences.)	
3	Specific Example Provided Write the exact prompt you used to initially ask the AI, including your specific example problem.	
3	AI Response Documented Describe how the AI guided you through the solution. Did you like the method? Did it make sense to you?	
3	Solution Verified Explain how you confirmed the AI’s solution is correct. (e.g., checked by hand, tried a different method, asked AI to check its own work.)	
6	Practice Problem Completed Ask the AI to generate at least one similar problem for you to solve. Show your own complete work for solving it.	
2	Self-Assessment If your teacher gave you a similar problem today, could you solve it correctly? If yes, you’re finished. If no, return to Step 3 and keep practicing.	
20	Total	