

AI Assignment (Mr. Freund's Directions)

*Document your process on paper. (This can be typed or hand-written.)

Use your favorite LLM (ChatGPT, Perplexity, Claude, etc.)

1. Ask your question:

Can you help me work through the math concept of _____?

Here is an example of what I am trying to figure out...

2. How is AI having you work through this process? Do you like the method? Do you agree with the solution? If not, continue asking questions like: Is there another method that I can use to solve this problem? Are you sure this is the correct answer? Ask AI to check it's own work.

3. Ask AI to create a similar example so that you can practice the concept you are looking to improve on. You can do this as many times as needed until you begin to understand the concept. If you need help working through the steps again, just ask AI to walk you through the process again.

Rubric

Point Value	Description	Your Score
3	Large Language Model Identified Question asked by student corresponds to a math topic that we have covered in class during the fourth quarter.	
9	Student Provided a specific example to the LLM. Student Documented how the LLM responded to the question. Verified that the LLM's response included the correct solution.	
6	Student asked AI for at least one more similar question for the student to solve. Student showed their own work for the solution process for this problem.	
2	If you were given a similar question, would you now be able to answer it correctly? If your answer is yes, you are finished. If your answer is no, go back to #6.	

AI-Assisted Math Learning Assignment (Claude.ai enhanced directions)

Purpose

This assignment helps you use AI tools (like ChatGPT, Claude, or Perplexity) to better understand a challenging math concept from your fourth quarter material.

Steps to Complete

1. **Choose a Math Topic**
 - Select a math concept from the fourth quarter that you find challenging
 - Ask an AI: "Can you help me work through the math concept of _____?"
 - Provide a specific example problem you're struggling with
2. **Work Through the Concept with AI**
 - Document how the AI guides you through the process
 - Evaluate whether you like the AI's approach and explanation
 - Verify the solution is correct by asking follow-up questions like:
 - "Is there another method to solve this problem?"
 - "Can you check your work?"
3. **Practice with Similar Problems**
 - Ask the AI to create similar practice problems
 - Work through these examples with AI guidance as needed
 - Continue practicing until you understand the concept
4. **Document Your Process**
 - Record all interactions with the AI (can be typed or handwritten)
 - Show your own work when solving practice problems
 - Evaluate whether you now understand the concept well enough to solve similar problems independently

Rubric

Point Value	Description	Your Score
3	Identifies the AI tool used Selected appropriate math topic from fourth quarter	
9	Provided specific example to the AI Documented AI's response Verified correctness of AI's solution	
6	Requested additional practice problems Showed your own solution work for these problems	
2	Self-assessment of understanding (If you don't feel confident, return to practice step.)	