

# Math 181: Problem Set #8

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Due in 1 week at the start of class. Make sure to read Section 1.2 of the Katz textbook

## **Problem 1**

The cuneiform tablet in Figure ?? shows three numbers in written as Babylonian numerals. Convert them to standard numerals. Figure ?? shows a sketch of the tablet.

## **Problem 2**

Do Problem 17 of Chapter 1 of the Katz textbook.

## **Problem 3**

Do Problem 18 of Chapter 1 of the Katz textbook.

## **Problem 4**

Complete a polished draft of your final research essay. Bring two print copies of the draft to class.

## **Problem 5**

Complete the document analysis sheet for the text you looked at on the March 6 visit to Special Collections.

## **Collaboration Policy**

With each week's homework, you must turn in a one paragraph description of all the resources you used on that homework. You must mention any person you talked to about the problems, any book you looked at, any online resource (Wikipedia, Chegg,...) that you used. A sample paragraph is

On this week's homework, I worked on the problem set collaboratively with Gauss and Grothendieck at The Redroom during happy hour. We found an Alex Jones video (<http://youtube.blah.com>) that gave a really clear explanation of Fermat's Last Theorem. We got really stuck on Problem 5, and so we went to Chegg.com and paid an online tutor ("Zariski") \$50 to solve the problem for us. He said the problem was too hard for him. So I logged into my TruthSocial account (@CobraTatesThesis) and posted the question with @realDonaldTrump tagged. He responded with a tremendous, really fantastic solution to the problem, which by the way, Biden can't solve. At this point, it was midnight and I still had four more problems to go, so I just gave the questions to ChatGPT and cut-and-pasted the answers.



Figure 1: Image of a cuneiform tablet

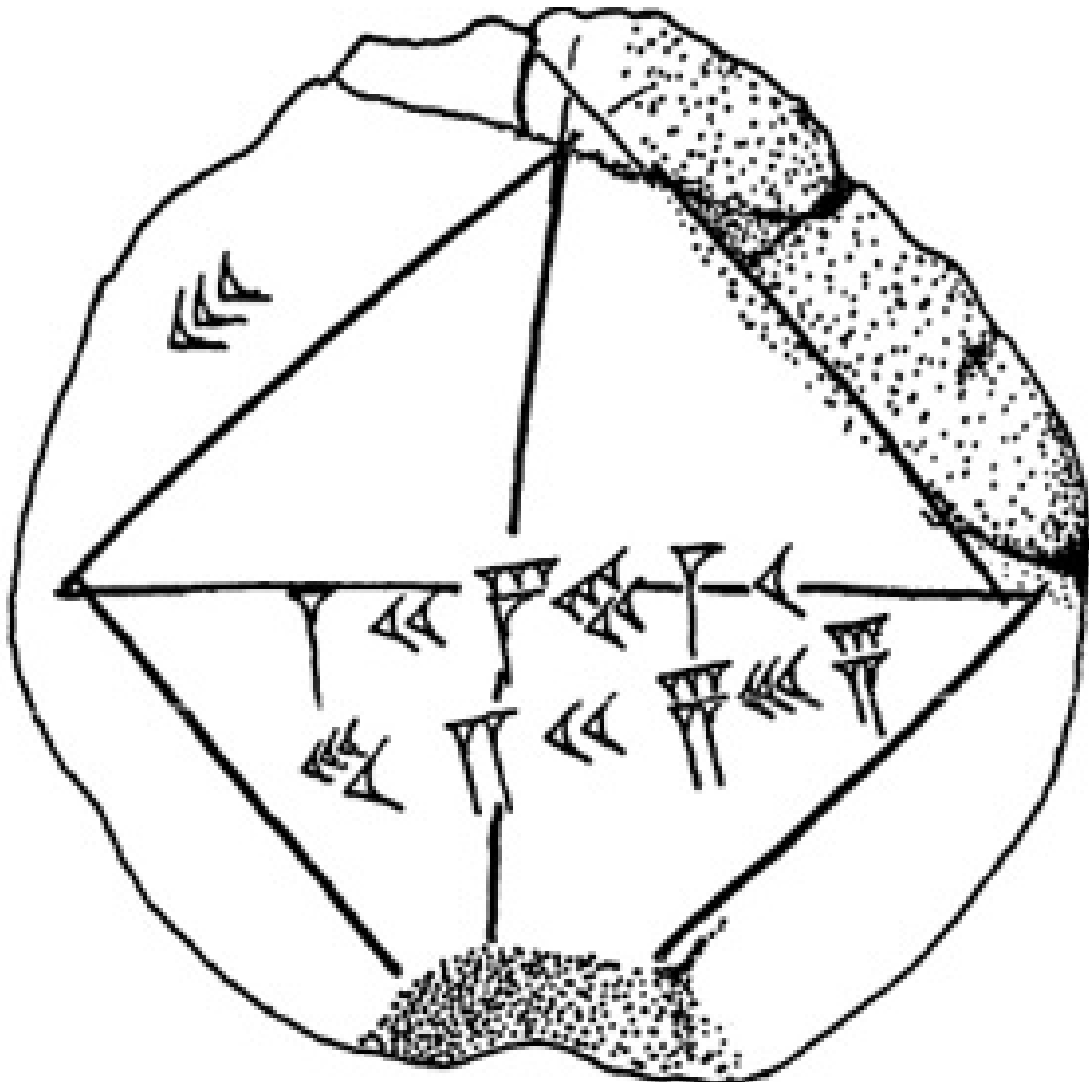


Figure 2: A sketch of the cuneiform tablet