

Homework 1

Math 300 (sections 903 and 904), Fall 2022

This homework is due on Fri., Aug. 26. (Turn in your answers to questions 1–3.)

0. (*This problem is not to be turned in.*) Read the syllabus. Bookmark the course webpage on your computer, if you have one. Set up your [piazza.com](https://www.piazza.com) account. Mark all exams and their times on your calendar. (a) Where and what time are the regular office hours for this course? (b) If you miss class, where can you find the homework assignments? (c) (How) will grades be “curved”? (d) A student has received the following grades on Homeworks: 9, 10, 8, 8 (out of 10) and Exam 1: 78%. What is this student’s current grade in the class? (e) How do you schedule a tutoring appointment with the Texas A&M Math Learning Center? How much does it cost?

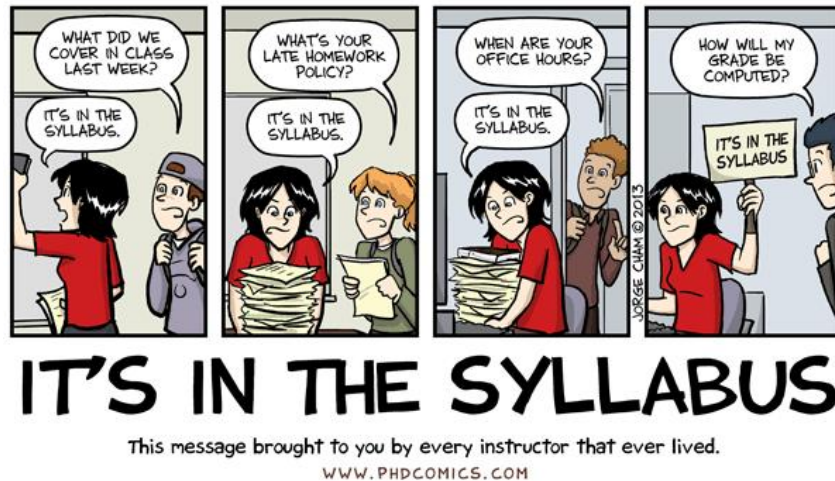


Figure 1: <http://www.phdcomics.com/comics.php?f=1583>

1. Read pages 1–3 in Section 1.1. List all defined words (in italics) that you have *not* previously seen in a math class.
2. Determine whether each of the following sentences is a proposition, predicate, or neither. Explain your answers. Also, for every proposition, state the negation.
 - (a) $20^2 + 22^2 > 2022^2$
 - (b) $x^2 > -1$
 - (c) When is the final exam in this class?
 - (d) The sum of every pair of prime numbers is odd.
3. Negate the following proposition: *An undergraduate student with an overall grade point ratio of 3.00 or better may register for a course load in excess of 19 hours in a fall or spring semester or six hours (seven if part is laboratory) in a summer term with the approval of his or her advisor.*

Writing Assignment 1

Math 300, Fall 2022

This homework is due on Fri., Aug. 26. *Complete this part on a separate piece of paper, not the same paper for Homework 1.*

1. Complete the survey (separate handout).
2. Write a paragraph describing how, in your view, what you will learn in Math 300 will be relevant to your life and/or your personal/college/career goals.