

Homework 1

Math 171H (section 201), Fall 2023

This homework is due on **Thursday, Aug. 24** at the start of class. (Turn in answers to questions 1–4.)

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 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?

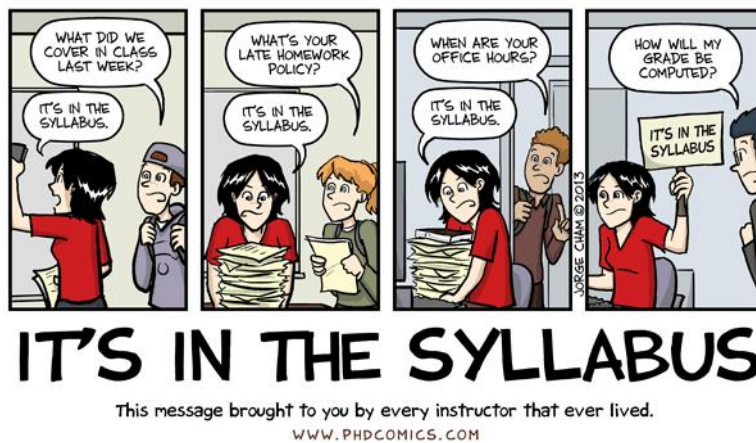


Figure 1: <http://www.phdcomics.com/comics.php?f=1583>

1. Complete the survey (separate handout).
2. Write a paragraph describing how, in your view, what you will learn in Math 171H will be relevant to your life and/or your personal/college/career goals.
3. Read about *Bloom's Taxonomy* from the following website (or another source):
<https://asc.tamu.edu/study-learning-handouts/bloom-s-taxonomy>.
 - (a) At which level of the pyramid did you have to reach to do well in your high school math courses? (Explain your answer in several sentences.)
 - (b) At which level of the pyramid did you expect to need to reach to thrive in Math 171H?
4. A student turns in the following work as an answer to a math problem:

$$\begin{aligned}x^2 - x &= x \\x(x - 1) &= x \\x - 1 &= 1 \\x &= -2\end{aligned}$$

- (a) What problem (your best guess) was the student trying to solve?
- (b) Critique the work.
- (c) Re-do the problem.