Homework 1

Math 147, Fall 2023

This homework is due on Friday, August 25 (at the start of recitation). *Turn in your answers to questions 1–5.*

0. Read the syllabus. Set up your `piazza.com` account. Mark all exams and their times on your calendar.

    (a) A friend asks if you want to leave College Station the Tuesday morning before Thanksgiving. What is your answer?

    (b) A student has received the following grades on Homeworks: 9, 10, 8, 8 (out of 10), Quizzes: 7, 10, 9, 8 (out of 10), Activities: 8, 8, 6, 10 (out of 10), and Exam 1: 78%. What is this student's current grade in the class?

1. 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 147?

2. Write a paragraph describing how, in your view, the topics Math 147 will be relevant to your life and/or your personal/college/career goals.

3. A student turns in the following work as an answer to a math problem:

$$x^2 - x = x$$
$$x(x - 1) = x$$
$$x - 1 = 1$$
$$x = -2$$

    (a) What problem (your best guess) was the student trying to solve?

    (b) Critique the work.

    (c) Re-do the problem.

4. Section 1.1 (First read the instructions at the start of this diagnostic test.)
   #1, 2, 8(a), 18

5. Section 1.2 #8, 12, 28, 40