

CSCI 1311: Problem Set 0

Due: 23 Jan 2022

There is no option for early/final submission on this assignment

Instructions:

- You will submit your answers to via gradescope.
- Refer to gradescope to determine which questions or sub-questions are submitted individually.
- For each submission of a question or sub-question, you should submit an image of your answer, which can be a picture of your handwriting, a screenshot of a tablet, an image of something you typed, or a scan of a document. The most important point is that it's legible and clearly marked in gradescope.

1. I'd love to learn more about you. Answer the following questions about your background and interests: *(psst – when you submit this to gradescope, make sure your answer to each part is clearly marked)*

- (a) Where are you from?
- (b) Why did you choose to come to GW?
- (c) What year are you at GW?
- (d) Why is your major and/or minor?
- (e) What is the highest level of math you've taken?

2. For each of the mathematical symbols below, indicate on a scale of 1-3 your familiarity the notation and a brief description of what you think it describes. Consider a (1) to indicate no familiarity, you have no idea how to use it; (2) is some familiarity, you've used it before but might need a refresher; and (3) is fully familiar, you know what it means and are ready to rock-and-roll. *(psst – for this one, gradescope has you submit each part separately. And in addition to the rating, did you remember to briefly describe what you think the symbol means?)*

- (a) \mathbb{R}
- (b) \mathbb{Z}
- (c) \cup
- (d) \cap
- (e) \in
- (f) \neq
- (g) \Rightarrow
- (h) \forall
- (i) \exists

(j) $\{ \quad \}$

(k) $\sum_i^n 1/i^2$

(l) $\prod_i^n i$

3. Please answer the following questions regarding your feelings towards this class and your workflow.

(psst—did you remember to clearly mark the answers to each of the questions (and sub-questions))

- (a) On scale from 1-5, where 1 is *very concerned* and 5 is *very unconcerned*, how concerned are you about doing “well” in this class.
- (b) On scale from 1-5, where 1 is *very uncomfortable* and 5 is *very comfortable*, how comfortable would you say you are with math and abstract math concepts?
- (c) On a scale from 1-5, where 1 is *very uncomfortable* and 5 is *very comfortable*, how comfortable are you asking for help?
- (d) When seeking help, from whom are you most likely to seek help? Your instructor, the graduate teaching assistant, the undergraduate lab assistant, or a fellow classmate?
- (e) When seeking help, which methods do you prefer (list all that apply): sending an email to an instructor/TA/LA, using a message board, like piazza; going to office hours; speaking with a classmate; something else?

4. For this question, please take a moment to share any additional details about yourself that you feel might be of note? Or just a fun story about you and math and/or computer science.

For example, if I were answering this questions, I'd tell the story of the time I got in a argument with my 2nd grade math teacher about the primality of 1 — it's not a prime! But the craziest part of the story is that her name was Ms. Primus! True story.