

## MATH 142A HOMEWORK 0

WINTER 2021

This assignment is worth 5 points. The purpose is to familiarize you with Gradescope, the software used in this course for grading homework and exams, and other course details. Complete the following steps.

1. Read the course website carefully.
2. Determine if the following statements about sets  $A$ ,  $B$  and  $C$  are true or false (no justification required), and write down your answers:
  - (a) if  $A \subset B$ , then  $A \cap B = A$  and  $A \cup B = B$ ;
  - (b) if  $A \cap B = B$ , then  $B \subset A$ ;
  - (c)  $A \setminus C \subset (A \setminus B) \cup (B \setminus C)$ ;
  - (d)  $(A \setminus B) \setminus C = (A \setminus C) \setminus (B \setminus C)$ .
3. Make sure to include your name, student ID, and the name of your professor in the top right-hand corner of your assignment. For longer assignments later in the quarter, this only needs to be done on the first page.
4. Create an account with Gradescope, linked to your @ucsd.edu address. If you already have a Gradescope account linked to your @ucsd.edu address, then you do *not* need to create another account.
5. Make sure that you provide the correct student ID (of the form AXXXXXXXX) in the corresponding field in your Gradescope account. If you fail to do so, you will be awarded **0 points** for this homework. Typical mistakes are: indicating your UCSD email address in the student ID field, indicating your name in the student ID field etc.
6. Read the guide for submitting homework on Gradescope. In particular, make sure you read the section **Assign** under **Submitting a PDF**.
7. Log into your account, find the course Gradescope page, select the correct assignment, and upload your scanned assignment following the guide in the previous step. If you cannot find the course Gradescope page, then you may need a course entry code **3YJ786**.