MATH 145A - SET THEORY I
INFORMATION ON THE MIDTERM

When? The midterm will take place on Thursday, October 17, 2019, from 12pm to 13h15pm in room SC-310 (the usual class time and place). If you cannot take the exam at that time (for example because of a religious holiday or a university event), please let me know as soon as possible (`sebv@math.harvard.edu`).

What is covered? The midterm will cover everything discussed in class until Tuesday, October 8, as well as the material introduced in assignments 1-6 (your answers may use the material seen later, but it will not be tested in the exam). This corresponds to section 1-11 of the notes.

What can I use during the exam? You may only use your brain, an eraser, and a pen. Scratch paper will be provided if needed. You may *not* use any other documents: textbooks or personal notes are *not* allowed. You also may *not* use a calculator (you will not need one anyway).

What will the exam look like? The exam will have four problems and one extra credit question. The first problem will ask you to state (without proofs) results or definitions seen in class. The second problem will ask you to give the proof of a result seen in class. Finally, the third, fourth, and extra credit problems will ask you for proofs (or disproofs) of statements that you have (probably) not seen before. I will try to make these problems slightly easier than in your homework, but your answer will be expected to have the same level of details as in the homework.

What can I do to prepare for the exam? Make sure you understand all of the homework and the course material. A sample exam is available on the course website. Try to solve it!

Date: October 2, 2019.