

Exam 2

Read this page and fill in your name, pledge, and email ID now.
Do not open past this page until instructed to do so.

Name: _____
UVA Email ID: _____

For this exam, you must **work alone**. You are not permitted to obtain help from people other than asking clarifying questions of the course staff. You are not permitted to provide help to others taking the exam. **You may not use any resources other than your brain and body, the one page of notes you prepared, and a simple writing implement like a pen or pencil.**

Sign below to indicate that you understand these expectations and can be trusted to behave honorably:

Signed: _____

As discussed in the Exam1 Review Class, our goal is to design an exam that does not incentivize the intellectual dishonesty that is typically incentivized by school assignments and that you are all experts at, as demonstrated by your ability to achieve the level of success needed in high school to be admitted to the University. Hence, please keep in mind that the exam will be graded in a way that we hope will not reward intentionally obfuscated or deceptive answers — if you do not know how to solve a problem, or get stuck at a step in a proof, it is much better to state that clearly and explain what you know that might be relevant or useful towards solving the problem, than to fabricate an answer that you know is wrong.

Although fairly generous partial credit will be awarded for answers that state that you do not know how to solve the asked problem and either solve an easier one or show something you can do that is related to the given problem, answers that we believe are deliberately deceptive will receive negative scores (worse than that 0 that a blank answer receives for any question).

The exam has **11** questions, each of which awards a good answer with 9 points (you can also get up to **6 points for filling in the three blanks** on this cover page well enough so we can read your name and id), so an exam with all good answers would be worth 105 points. For each question, there is ample space provided to hold an excellent answer. If you need more space, you can use the backs of pages, but include clear markings and arrows to indicate the answer that should be graded. We will assume anything not inside an answer box or clearly marked from one, is your scratch work that should not be considered in scoring your answers.