• Please print your name and NetID. Anonymous submissions would not be graded.
• There are five questions – you should answer all of them.
• If you brought anything except your writing implements, your double-sided handwritten (in the original, by yourself) 8½" × 11" cheat sheet, and your university ID, please put it away for the duration of the exam. In particular, please turn off and put away all medically unnecessary electronic devices.
  – Submit your cheat sheet together with your exam. We will not return or scan the cheat sheets, so photocopy them before the exam if you want a copy.
  – If you are NOT using a cheat sheet, please indicate so in large friendly letters on this page.
• Please read all the questions before starting to answer them. Please ask for clarification if any question is unclear.
• **This exam lasts 120 minutes.** The clock started when you got the questions.
• If you run out of space for an answer, feel free to use the blank pages at the back of this booklet, but please tell us where to look.
• Give complete solutions, not examples. Declare all your variables. If you don’t know the answer admit it and move to the next question. We will happily give 0 points for nonsense answers.
• **Style counts.** Please use the backs of the pages or the blank pages at the end for scratch work, so that your actual answers are clear.
• Please return all paper with your answer booklet: your question sheet, your cheat sheet, and all scratch paper.
• **Good luck!**