

Here are suggested questions from my old exams that deal with chapters 1 and 2 of Varian.

Before trying to answer any of these questions, you need to reach a point where you feel that you understand both the Varian chapters and my lectures on them.

Remember that you should NOT just read the questions and then read my answers. For this process to have any educational value, you need to make a serious effort to write out your own answers first. I recommend taking about two hours to write out answers for five full questions (all parts).

When you are finished, compare your answers with mine and spend some time figuring out why my answers are sometimes different.

There are enough questions on the list that you can simulate the exam-taking process several times before you take the real exam.

In each case, the questions are from the first midterm in the specified year.

2021: 1(a), 1(b), 2(a), 3 (all parts), 5(a)

2020: 1 (all parts), 2 (all parts)

2019: 1 (all parts), 2(a), 2(c), 4(a), 4(b)

2017: 1 (all parts), 2(a)

2016: 1(a), 1(b), 2(a), 2(b)

2015: 1(a), 1(c), 5 (all parts)

2013: 1 (all parts)

2009: 1(a), 1(b), 2 (all parts), 4 (all parts)

2005: 1 (all parts), 3(a)

2004 1 (both parts), 2 (both parts)