

There are four required problems and no optional problems. The goal here is for you to practice doing simple tasks in Mathematica. Learning Mathematica is not really a goal of this course, and writing computer code is definitely not a goal. But your work in this course, and throughout your mathematical life, will be easier if you are able to use appropriate tools to expedite calculations.

Problem A. Do Exercise A in the Mathematica notebook `curves.nb`. (To clarify, you are expected to hand in one line of Mathematica code and the one-line response that Mathematica produces for that line. You can get this onto your homework paper by printing, screenshotting, or manually recopying.)

Problem B. Do Exercise B in `curves.nb`. (Your expected work is two or three lines of Mathematica code, the response that that code produces, and brief discussion of that response.)

For the last two problems, make sure you are using the most recent version of `surfaces.nb`. (I updated it after class.)

Problem C. Do Exercise A in `surfaces.nb`. (Your expected work is one line of Mathematica code, the response that that code produces, and any brief discussion that seems necessary.)

Problem D. Do Exercise B in `surfaces.nb`. (There are a few pieces to hand in. Depending on how you do them, you might or might not end up showing any Mathematica code.)