

## Homework in Math 112 Spring 2006

There will be two types of homework assigned in this class:

1. **Short answer homework.** This is basically standard calculus homework, but harder; you get 3–5 problems or computations to do, and you’re supposed to work out the answers. Show all your work on each problem.
2. **Paragraph-style homework.** After the first week or two, about once a week, you’ll be assigned homework in “paragraph style,” where you won’t just do problem solving, but also answer more conceptual questions. Often, this will require some kind of explanation; that is, you don’t just produce an answer, you have to explain how you get it. This will also often involve the use of the software package Maple (see below).

**Doing homework together.** If you want to do homework with a partner or in a team of 3, and submit a single writeup for the team each time, the following rules apply.

- Teams can have either 2 or 3 people.
- One writeup is turned in for the whole team, and is to be written up by **one person only**. This person (the “scribe”) should be clearly indicated at the beginning of the homework, and the names of the rest of the team should also be written at the beginning of the homework.
- Everyone in the team gets the same grade for the homework.
- The person taking the role of scribe must rotate each time. Teams that do not change the scribe regularly will be disbanded.
- Anyone who does not contribute to the homework (e.g., someone who doesn’t show up for the meetings that week) should not have their name listed at the beginning of the homework, and will receive a 0 for the homework. If there are extenuating circumstances, they must be cleared with me.

If you would like to be placed randomly in a team, just let me know (e-mail me, [hsu@math.sjsu.edu](mailto:hsu@math.sjsu.edu)), and I’ll try to match you up appropriately.

**About Maple.** Maple is a software environment for symbolic calculation, widely used by engineers, scientists, and especially mathematicians. It is available in the Math Department Computer Lab (MH 221). To use this lab, you must have an account on the Math Department computer system. Please get a Math Department account, even if you plan to use Maple at home, as your computer might fail at a crucial time. An account on the CS Department system will not work, as the CS Department does not support Maple.

**Getting a math department computer account.** If you can add one unit without paying extra tuition, just use [my.sjsu.edu](http://my.sjsu.edu) to enroll in Math 110L, which is a one unit, CR/NC lab course that never meets as a class. You will be able to pick up your computer account number in MH 221 on Mon Feb 6 or soon after. Alternately, if you would have to pay extra tuition for Math 110L, go to the Math Department Computer Lab, MH 221 on Mon Feb 6 or soon after, ask for a computer account, and pay \$25.

**Buying your own copy of Maple.** You can buy Maple at [www.maplesoft.com](http://www.maplesoft.com) for about \$100. Alternately, you can look for a used copy; any edition should be fine.