# PROJECT REQUIREMENTS

1. **The Supervisor Test:** These assignments should be viewed as though they are projects assigned by your employer. If you would be embarrassed to submit your project to a work supervisor, you should also be embarrassed to submit it to me, your professor.

2. Because of Item (1), your program **must** run error-free and produce accurate results.

3. If you solicit my help, you **must** have the **most recent version** of your code available. Do **NOT** email screenshots to me. **Screenshots** never tell the full story.

4. **Each** team member should **proofread** the project before it is submitted.

5. Please do not ask me to "pre-check" your project. It is each member's responsibility to check the project to ensure that all items are completed as stated in the assignment, all questions are answered, the results make sense, and all requirements are met.

6. Review the document entitled "Programming Projects."

7. Do not attempt this until you have the code for the bisection method working and giving correct results. Also see the Maple examples and assignments on the course web site.

8. All work is to be done using **Maple**.

9. **Never retype results.** Instead, store all results under descriptive names and use their names. Also, never retype quantities that have already been entered but have not been changed.

10. All results should be printed using the **printf** command so that the decimal points line up down a column. **All results** should be expressed in **decimal form**.

11. **Plots:** use the plot option **size** to make the plot a suitable size. A plot should be scaled properly and be large enough to see pertinent features but **WITHOUT** dominating the page. A properly sized graph should be nearly as wide as the page and span about $1/4$ to $1/3$ of the page vertically.

12. **Tables:** See the document describing Bad Tables.

13. Members from different teams may not collaborate. You may work only with members of your own team.

14. Only those members who contributed fairly toward completing the project should have their names placed at the top of the Maple session.

15. Please include each member's class period on the cover page.

16. Begin working on the project immediately. If you seek help a couple days before the due date or if the program is full of errors, I may elect not to help until your team has given a better effort. The team members are responsible for working together and giving their best effort to submit a well written, professional looking project.

17. When possible, avoid using $l$ (lower case letter ell) as a variable name or part of a variable name. (Do you see why?) Use lower case $l$ only when it is clear from the context; for example, if I use a variable named `velocity`, then it is clear from the context that it is a lower case letter $l$.

18. If you print drafts of your project, do not throw your papers away in a public area as that has led to plagiarism (cheating). Instead, shred any drafts or discard them in your own private dwelling.