

# Lab Reports

Lab reports should contain

- **Procedure and Results.** Give a brief description of the experiment, and present a summary of the data you have collected. This could take the form of tables of orbits, or of graphs of the functions studied. Please keep these results reasonably brief and free of extraneous information; for example if you are asked about the fate of an orbit under iteration then you need only describe its eventual behaviour, not the entire orbit.
- **Analysis.** Write an essay analysing your data, and addressing the questions raised in the description of each lab. Be careful to distinguish between conjectures that your data prompts you to make, and theorems that you are able to rigorously prove. In both cases you should describe how the data motivated your statement, but anything that you state as fact is a theorem and requires careful proof.

In many cases, you will not be able to give conclusive answers to all questions raised, but you should provide a description of what you think is happening, and why.