

**Geometry**  
**Second Semester 2010/11**  
Revision Sheet

The lectures together with the homework sheets and mock exam (and the additional reading for fifth years) provide all the material you need to know and understand. If you have learnt this material thoroughly and have answered the homework questions (without relying on the solutions provided beyond checking your answers), you will be well-prepared for the exam. The mock exam provides additional questions in a style which is close to the exam.

You will need to recall accurately theorems (corollaries etc.) and definitions you have learnt in class. All the definitions and results are examinable. You will also need to apply these results and answer questions related to the subjects they cover.

Things to do to prepare for the exam:

1. Understand your lecture notes. Be able to recall theorems, definitions etc. You will probably have your own techniques for doing this, but one way is to read through your notes and produce a detailed summary of each section of the course. Repeat this until you feel you know all the material. Take time to understand the parts you don't understand at first.
2. Answer all the homework questions and mock exam. You can check your answers with the solutions on the website and I will answer your questions regarding the mock exam in a revision session. It is bad practice to read the solutions before you try to answer the questions yourself. It is much better to spend time thinking about how to solve a problem than to look up the answer.
3. Get plenty of sleep. Learning mathematics is sleepy business and your brain will want to sort things out while you sleep, so it's certainly not time wasted. Plan your revision well in advance so that there is time for eating, sleeping and social breaks.