Monday 28th February 2005

Themes

- Dynamic Mathematics
- Discovery of ideas through personal construction and investigation
- Proof and Reasoning
- Interplay between dynamic technology environments and pedagogy
- Technology not just as a tool but an active part of your classroom actions

Activities

1. What is a Euclidean construction? What does it mean to be regular?
2. Is Dynamic Geometry all about geometry? – a look at signed integers
3. Reflections – how can we construct them?
4. Ellipses and their relationship to circles

Questions for Practice

As Stephen demonstrates the activities, or you complete them, keep the following questions in mind, and make notes:

- What is the aim of this activity?
- Did your perception of this aim change during the course of class?
- How do you believe it improves access for students to key geometric ideas?
- In what ways does it facilitate/inhibit the discovery of mathematical ideas?
- How do you see it being used in your classes?

Most importantly:
Annotate the sheets when you have questions, both in your own work, and the types of questions you would ask in your classroom, i.e. make it personal, and more idiosyncratic to your classroom norms, practices and student personalities.