

Straightedge and Compass

The goal of the presentation is to discuss constructions with a straight edge and compass. Your presentation should include at least

- A discussion what a straightedge and compass are.
- A discussion of what a straightedge and compass construction is.
- At least one example of such a construction.
- A discussion of the three major problems which the Ancient Greeks couldn't solve (Squaring the Circle, Doubling the Cube, Trisecting the Angle).

In addition you should include at least one thing not on the above list

At the end of your presentation the class will be asked one of the following questions.

- How many marks are on a straight edge?
- What shape does a compass make?
- Which of the following was a problem the Ancient Greeks couldn't solve with a straightedge and compass?
 - Squaring the Circle
 - Bisecting the Angle
 - Drawing an Equilateral Triangle?

A good starting point for your research is

http://en.wikipedia.org/wiki/Compass_and_straightedge

If you have any questions regarding the presentation feel free to e-mail your TA or Dr. Ackerman