

Week 0

Reading:

- *Geometry, Euclid and Beyond*:
 - Section 1.1 (p 7 - 14)
- *Euclid's Elements Book I*: <https://aleph0.clarku.edu/~djoyce/java/elements/bookI/bookI.html>
 - Definitions 1 - 22

Exercises/questions:

1. Familiarize yourself with straight-edge and compass constructions. For each of the following constructions briefly (in 1-3 sentences) justify why your construction is correct.
 - (a) Construct an equilateral triangle.
 - (b) Construct a perpendicular bisector to a given line segment.
2. What parts of definitions 1-10 in *Elements, Book I* do you find confusing or ambiguous?
3. How long did the reading take?
4. Is this too much or too little work?