

**MATH 329**  
**PROJECT GUIDELINES**  
**THE ELEMENTS by EUCLID**  
**Dr. Giovanna Lloset**

Choose two propositions and its proofs by Euclid from Book I of the 13 books in The Elements.

The Elements can be found at:

<http://alepho.clarku.edu/~djoyce/java/elements/elements.html>

Read through the proofs and make sure you understand what the propositions say and the proofs.

Using a text editor write, for EACH proposition:

1. The original text of the proposition
2. A proposition with the same content as the original one but using today's language and notation.
3. A two column proof based on Euclid's proof.
4. Any additional comments or alternative proofs you want to add.

Make sure the 4 "paragraphs" above are numbered: 1, 2, 3 and 4.

Every proposition must have parts 1, 2 and 3. Part 4 is optional.

Type your project in any word/math processor.

**The due date is June 2<sup>nd</sup>.**