Geometry Project (due Friday November 16).

(i) Requirements:

(a) Do some library research
(b) Understand some mathematics you didn’t know before
(c) Technical writing

(ii) Must include:

(a) A geometry problem
(b) History
(c) Motivation for the problem
(d) Mathematics
(e) Conclusion

(iii) Typed up neatly

(a) 1 inch margins, single spaced
(b) 12pt type face
(c) 8 inch text height
(d) 5-10 pages (not including figures, diagrams, tables, etc)

(iv) Ideas

(a) Classify finite subgroups of $\mathbb{Z}(E^2)$
(b) Develop some of Euclid’s elements
(c) Survey algorithms to estimate $\pi$ or $e$ (Ramanujan’s series)
(d) Geometric approximation (van Huggens, Archimedes)