

Mathematics 308 — Geometry

First homework — due Wednesday, September 10

In this course, the important thing in proofs is to get across the main ideas.

1. Pick your own favorite proof of Pythagoras' Theorem. Write it up in your own words. Include lots of pictures, preferably with colour. (Note: your favorite proof must use lots of pictures.)
2. Same for the theorem that the area of a parallelogram is equal to base times height. Be sure that your proof works for an arbitrary parallelogram.