

Homework

due on Wednesday, September 24

Read carefully Chapter 1 of Hartshorne's book. Study Books 1,3,4 of the "Elements". Solve problems 1.8, 1.9, 1.10, 2.8, 2.12, 2.14, 2.16 in Chapter 1. Work on several other problems in this chapter.

When you do a construction, write carefully all steps of the construction as discussed in the book. Then provide a proof that your construction works. When you claim that some lines intersect, explain why. Include carefully done drawing using a compass and a ruler.

When you write your solutions and claim that some lines intersect, please provide argument why.