
Homework 5 due Friday 2/25

1. (10 points) p. 110, problem 36. This model is very interesting as you can see from the exercise. We will make use of this model later, the tricky part will be to define a good notion of congruence.
2. (16 points) p. 107, problem 20. Then *read* Proposition 3.12 and its proof.
3. (12 points) p. 108, problem 21
4. (16 points) p. 108, problem 24
5. (6 points) Write down the definition of right angles we gave and give a definition for vertical angles.
6. (10 points) p. 108, problem 25
7. (10 points) Show that the SSS-criterion can not be deduced from congruence axioms (1) – (5). (cf. p. 110, problem 110)