

Homework 2.

Due Wednesday, January 30

Problem 1. Prove using two column form that isometries map lines to lines.

Problem 2. Prove using two column form SAS theorem.

Problem 3. Solve Problem 2 from HW1 treating now colors as points and balls as lines. It means, that you can think about colors as points and lines as balls. Points are incident with a line if all these colors are on the ball. Lines are incident with a point if all corresponding balls have this color. Assign to each point a ball and to each line a color in such way that it preserves the incidence relation.