
Homework 13 due Friday 4/29

1. (10 points) p. 164, problem 1 (cf. page 155 for a definition of Saccheri quadrilaterals).
2. (10 points) p. 173, problem 26
3. (10 points) Show that any P-line in the Poincaré disk is congruent to a diameter.
4. (10 points) Read pages 290–301. Then do review exercises (1) – (7) on p. 301
5. (20 points) What do you think circles look like in the Poincaré disk model? (hint consider circles with center \hat{O} and inversions along circles).
6. (13 points) p. 202, review problems (16) – (20), (22), (24) – (30)