Homework
due on Wednesday, November 10

Read carefully Chapter 7, sections 33-36 of Hartshorne's book. Solve the following problems:

33.6

34.3 (Hint: Find Saccheri quadrilateral with angle C; use the perpendicular bisector of BC).

34.5 (Hint. Consider Saccheri quadrilaterals with base on l and one vertex at the given point).

35.3(Hint: Use the fact thet Legendre's Axiom is false for the given angle)

35.4

36.2 a,b (Hint: Use the method of proof of prop. 34.6.)