1. a) State the Neutral Area Postulate.

b) State the Euclidean Area Postulate.

2. State and prove the Law of Sines.

3. Show that in the Euclidean plane if ℓ and ℓ' are lines cut by a transversal t and ℓ is parallel to ℓ', then two corresponding angles are congruent.		
	3. Show that in the Euclidean plane if $\ell$ and $\ell'$ are lines cut by a transversal $t$ and $\ell$ parallel to $\ell'$ , then two corresponding angles are congruent.	' is

4. State and prove the Pythagorean Theorem (using similar triangles).	

5.	Prove that in the hyperbolic plane, a Saccheri quadrilateral must have the length o	ıf
	its altitude less than the length of its side.	