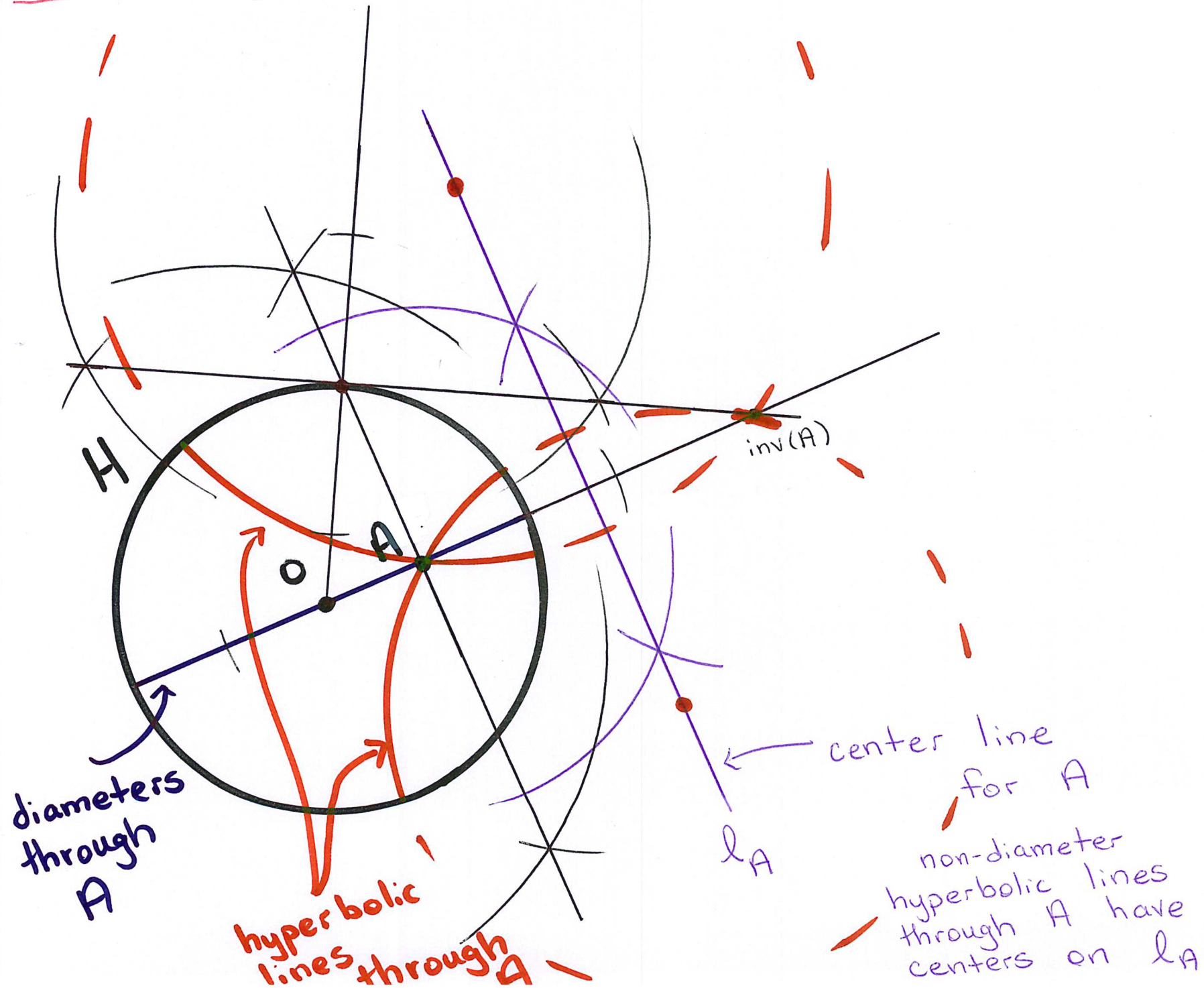
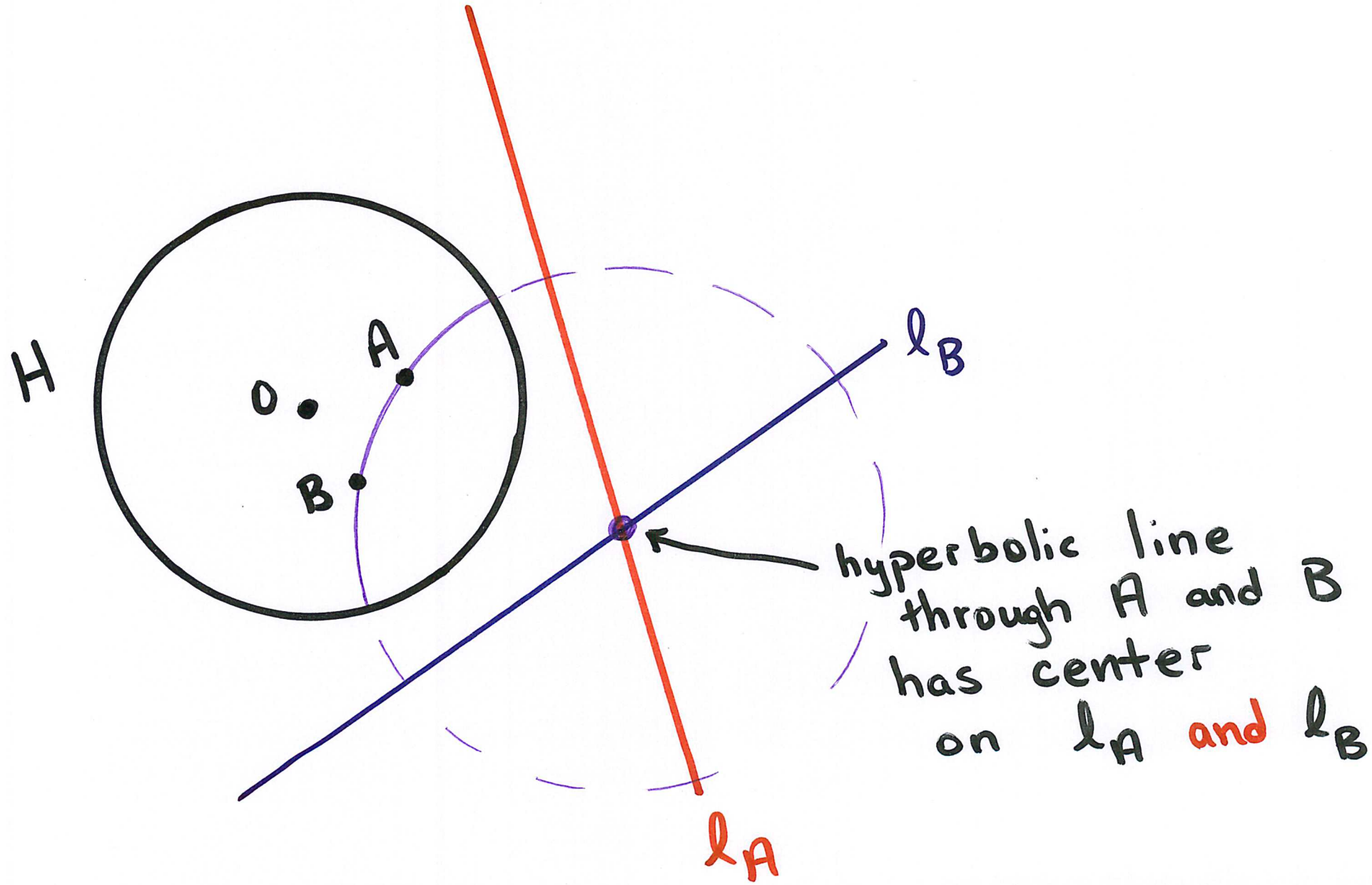


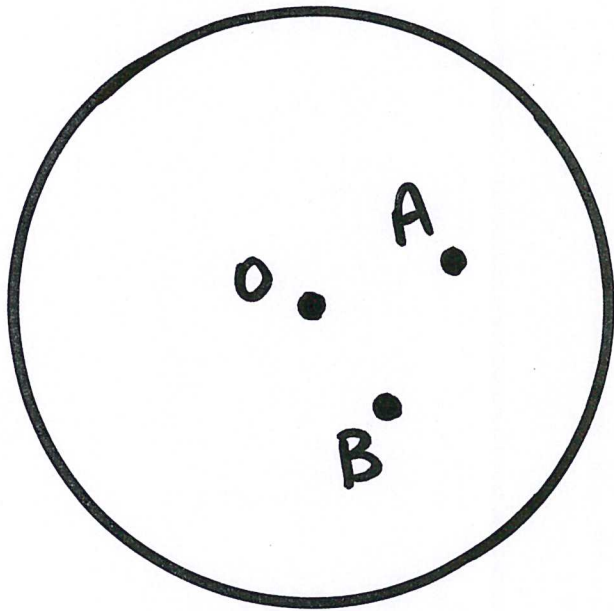
Recall: Hyperbolic Lines Through A



Recall: Hyperbolic Lines Through A and B  
(Construction 2 Last Class)



## Alternate Construction 2: Hyperbolic Line Through A & B

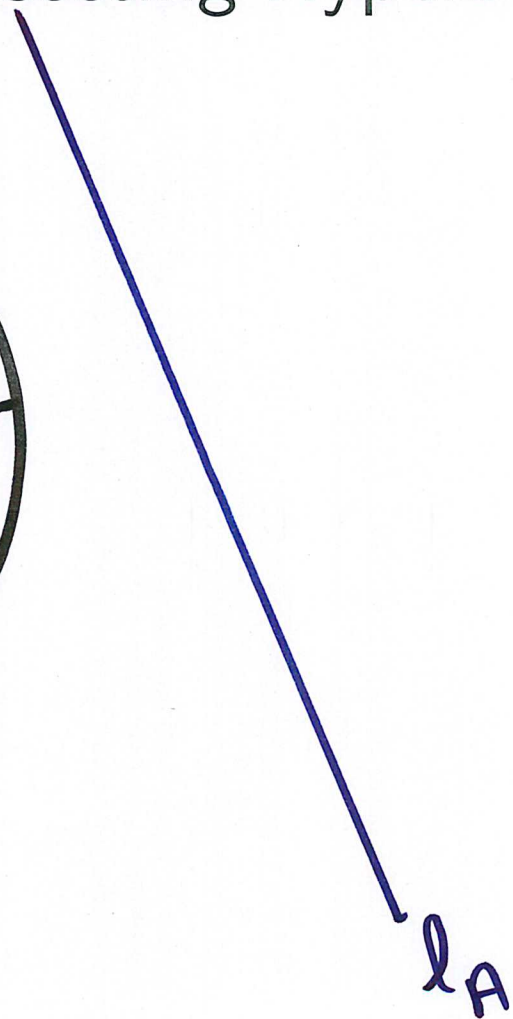
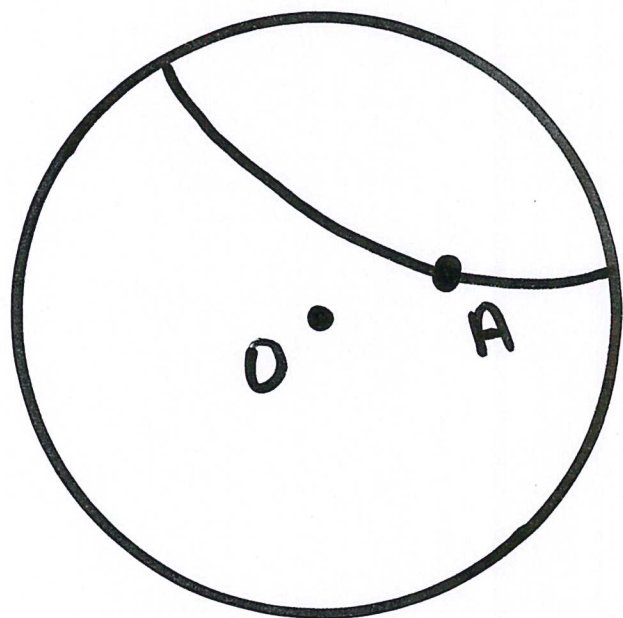


① Find center  
line for A,  $l_A$

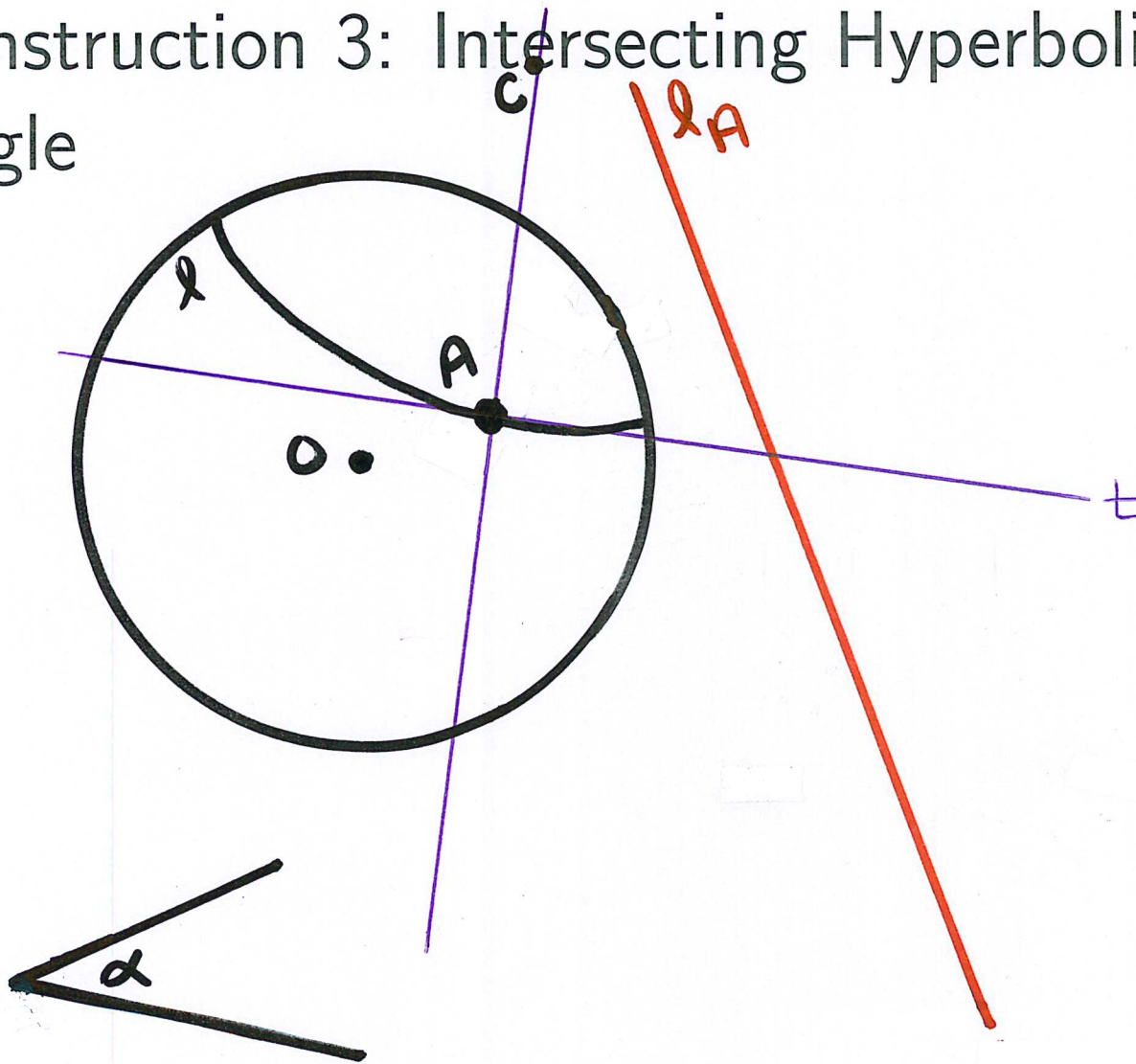
② Bisect AB  
↪ line m

③ center of  
hyperbolic line  
AB is the  
pt of  
intersection  
of  $l_A$  & m

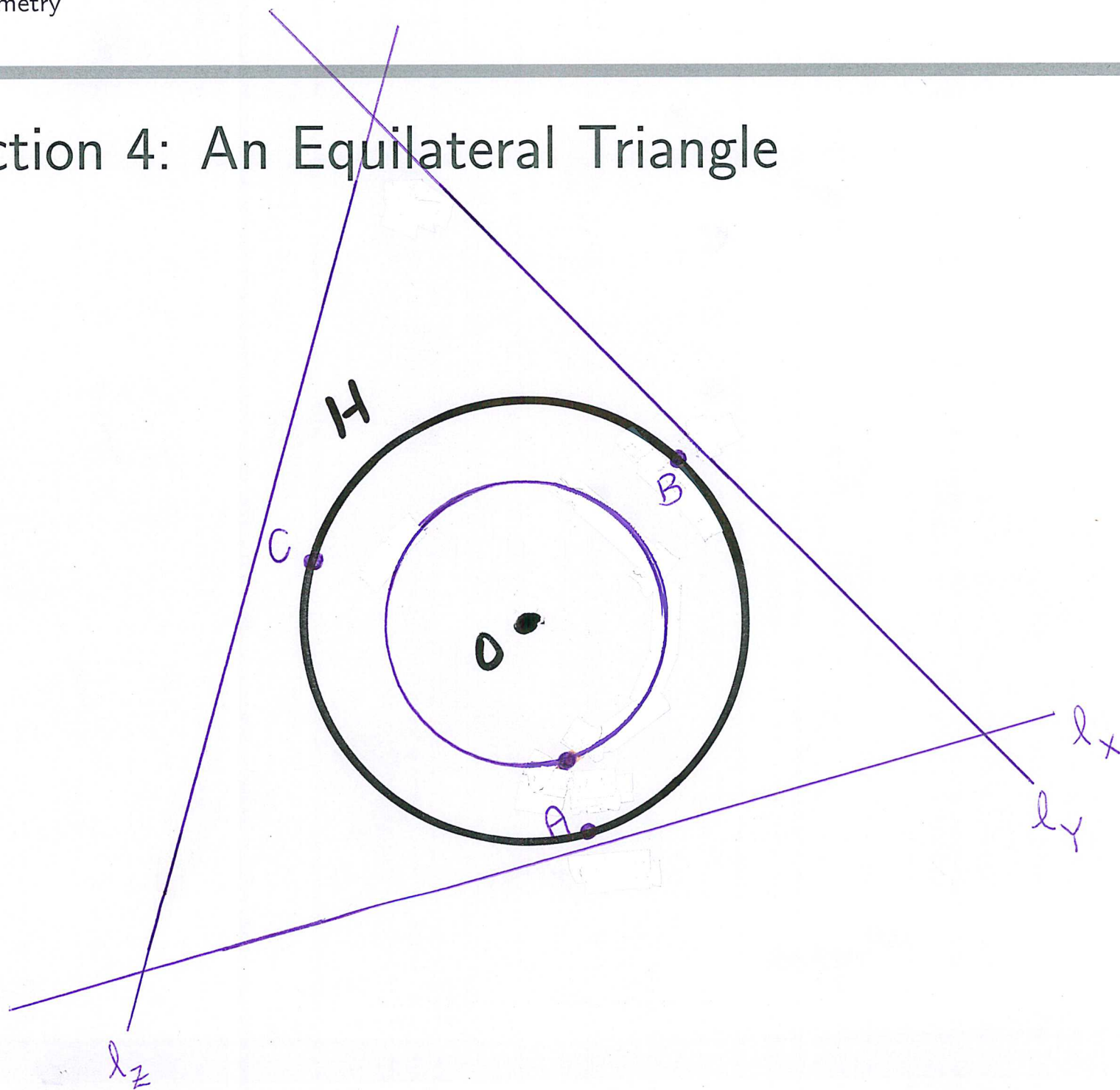
# Construction 3: Intersecting Hyperbolic Lines Given $90^\circ$ Angle



# Construction 3: Intersecting Hyperbolic Lines Given An Angle

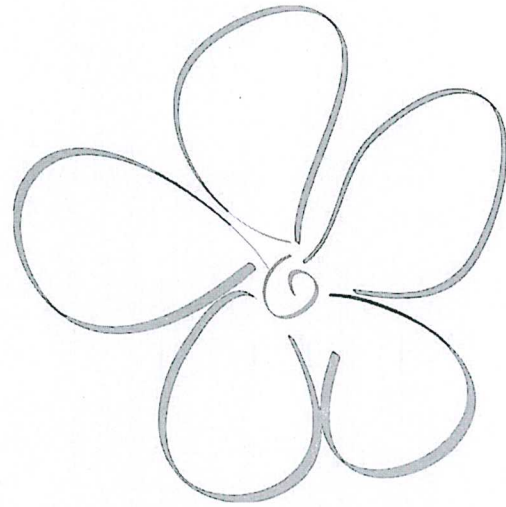


# Construction 4: An Equilateral Triangle



# Sum Of The Angles Of A Triangle

**In a hyperbolic plane, the sum of the angles of a triangle is**



QUESTIONS???