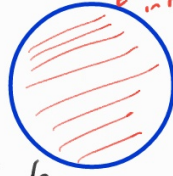


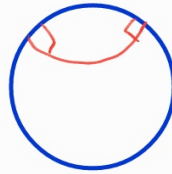
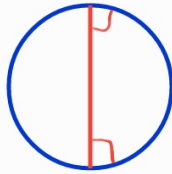
Poincaré Disk

① Points : All Euclidean points inside unit circle

$$\{(x, y) : x^2 + y^2 < 1\}$$



② Lines : Either:
 Ⓐ diameters of unit circle
or Ⓑ Euclidean circular arcs
 ⊥ unit circle



③ Angles : Euclidean angles
 (between curves)

④ Distance ...