

Name	Euclidian Geometry	Spherical Geometry
Plane (Example)		
Line		
Segment		
Triangle		
Intersecting Lines		

EXAMPLE 1: Triangles in Spherical Geometry
 A triangle in spherical geometry is formed by the intersection of 3 lines (great circles) on the sphere.

QUICK CHECK: Use a drawing to show why this the following statement is true in Spherical Geometry:
 "A fellow took a morning stroll. He first walked 10 miles South, then 10 miles East, and then 10 miles North. It so happened that he found himself back at his house"

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 "A fellow took a morning stroll. He first walked 10 miles South, then 10 miles East, and then 10 miles North. It so happened that he found himself back at his house door. How can this be?"

In the diagram above Triangle ABC is formed by 3 lines.

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