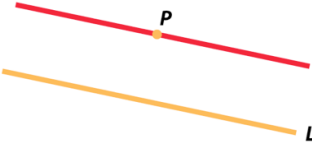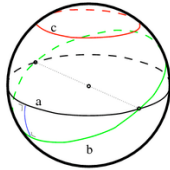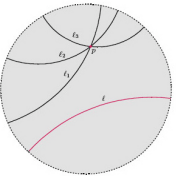|	Curvature	Lines/ Geodesics	Parallel Postulate	Angles
Euclidean	Zero curvature	Straight Line (Determined by the shortest distance between two points)	Given a line and a point off the line, there is exactly **one** line through the point parallel to the line	Sum of angles on a triangle is 180 degrees.
Spherical	Constant Positive	Great Circles (Determined by the shortest distance between two points)	Given a great circle and a point off the great circle, there are **no lines** through the point parallel to the great circle	Sum of angles on a triangle is **greater than** 180 degrees
Hyperbolic	Constant Negative	"Folds" (Determined by the shortest distance between two points)	Given a line and a point off the line, there are **infinitely many** lines through the point parallel to the line	Sum of angles on a triangle is **less than** 180 degrees