Math 2

Unit 6

Unit 6.3 Tangent Lines

Tangent:a line that intersects a circle in exactly one points.Tangent lines are perpendicular to the radius.

Two tangents from a point outside circle



The two Triangles APO and BPO are Congruent

Perpendicular Tangent Theorem

If a line is tangent to a circle, then it is perpendicular to the radius drawn to the point of tangency.

Line Perpendicular to Radius Theorem

In a lane, if a line is perpendicular to a radius of a circle at its endpoint on the circle, then the line is tangent to the circle.

