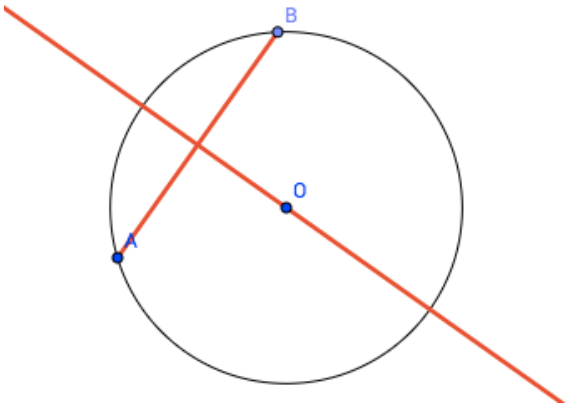
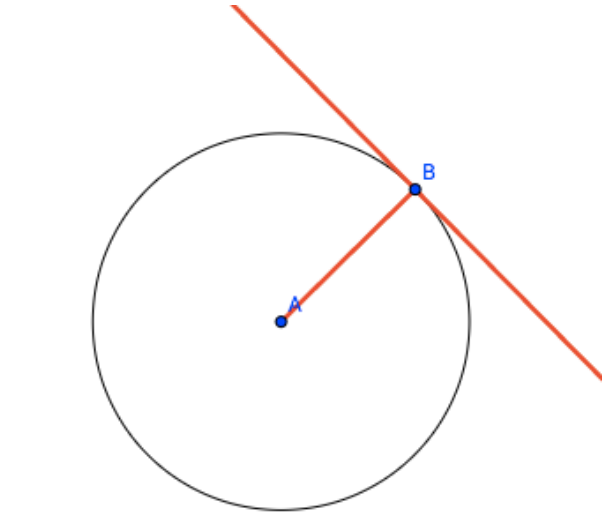
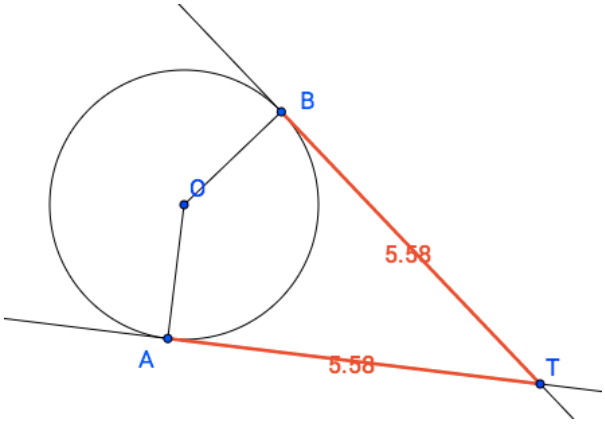
Circle Properties and Circle Theorems	
	1. Perpendicular Bisector of Chord The perpendicular bisector of any chord of a circle passes through the centre of the circle. In proofs quote: Perpendicular bisector of chord passes through centre.
	2. Angle Between Tangent and Radius Where a tangent meets a radius the angle between them is always 90º. In proofs quote: Angle between tangent and radius is 90º.
	3. Tangents to Circle From Same Point The two tangents to a circle from a given point are always equal in length to where they touch the circle. In proofs quote: Tangents from same point are equal in length.

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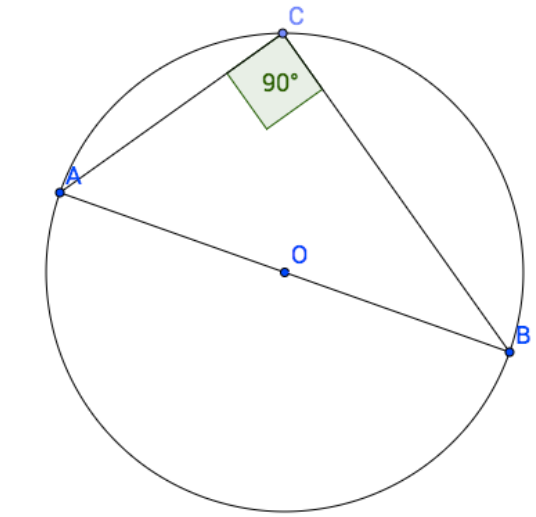
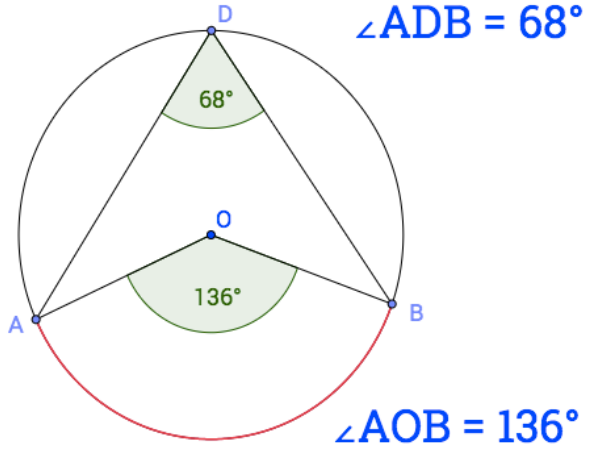
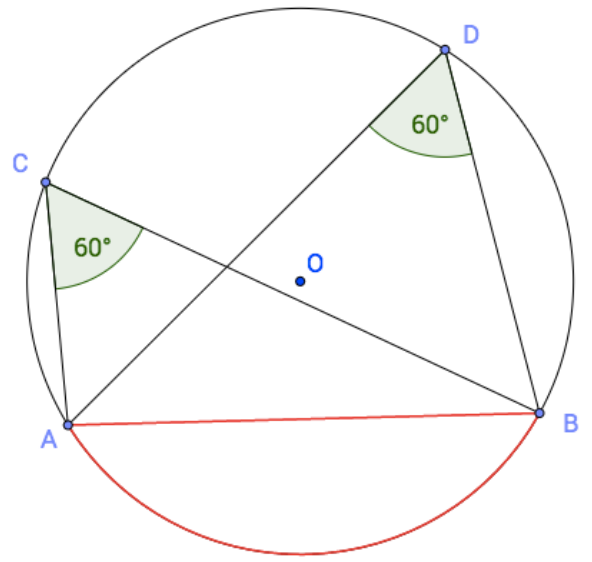
	4. Angle in a Semi-Circle An angle in a semi-circle is always 90º. In proofs quote: Angle in semi-circle is 90º.
	5. Angles at Centre and Circumference The angle an arc or chord subtends at the centre is twice the angle it subtends at the circumference. In proofs quote: Angle at centre is twice angle at circumference.
	6. Angles in Same Segment Angles in the same segment subtended by the same arc or chord are equal. In proofs quote: Angles in same segment are equal.

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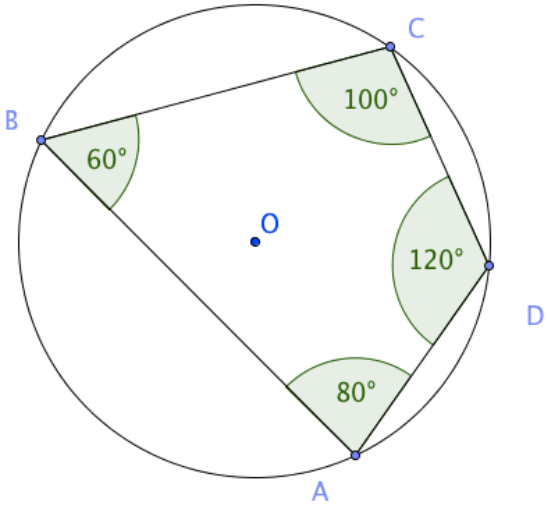
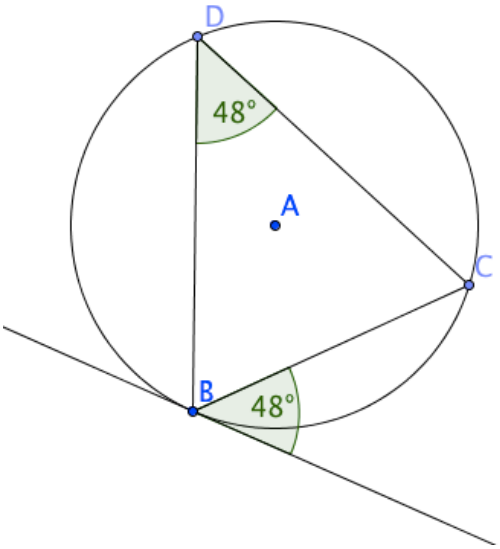
	7. Opposite Angles of Cyclic Quadrilateral Opposite angle of a cyclic quadrilateral are supplementary (add up to 180º). In proofs quote: Opposite angles of cyclic quad add up to 180º.
	8. Alternate Segment Theorem The angle between a tangent and a chord is equal to the angle subtended by the chord in the alternate segment. In proofs quote: Alternate segment theorem.