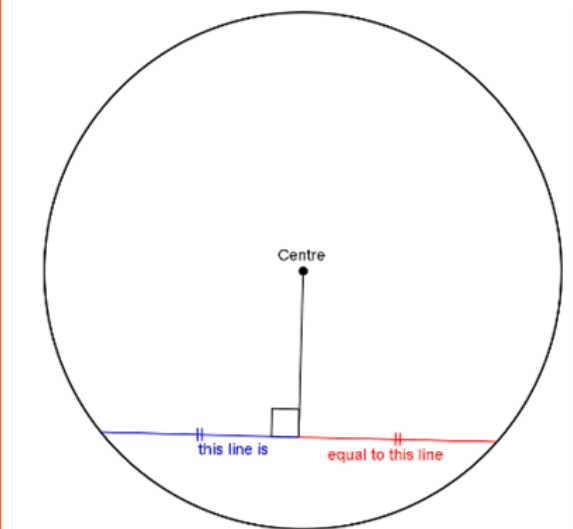
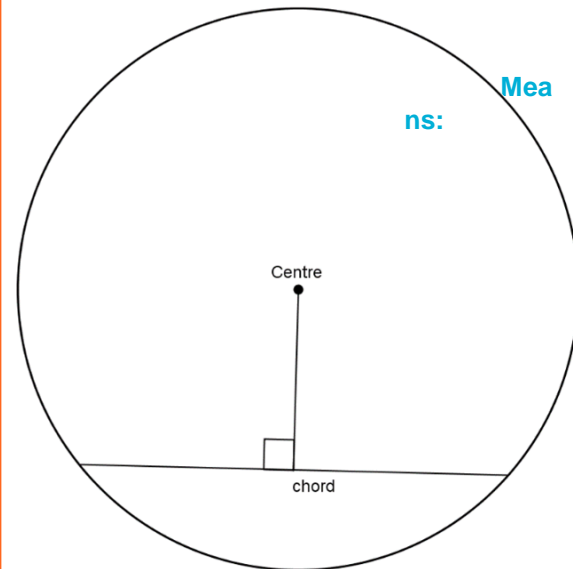


Euclidean Geometry Rules

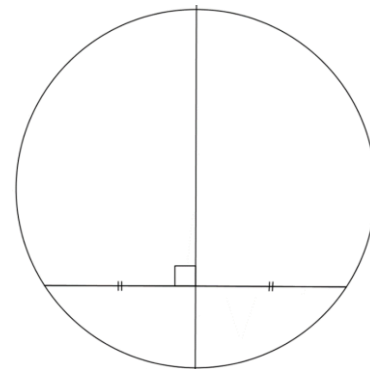
1. The line drawn from the centre of a circle perpendicular to a chord bisects the chord.

Maths Statement: Line through centre and midpt.

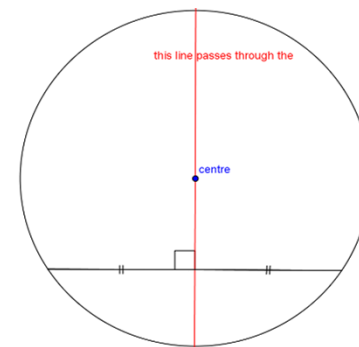


2. The perpendicular bisector of a chord passes through the centre of the circle.

Maths Statement: perp. bisector of chord.



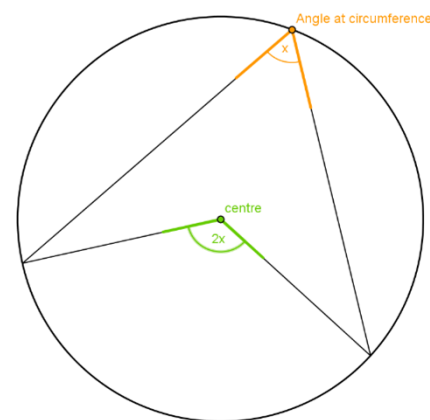
Means:



3. The angle subtended by an arc at the centre of a circle is double the size of the angle subtended by the same arc at the circumference.

Maths Statement:

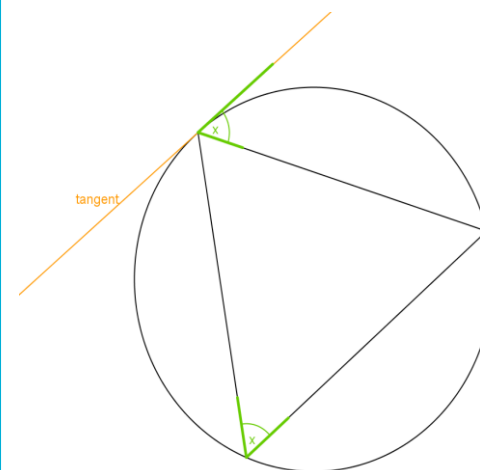
\angle at centre = $2 \times \angle$ at \odot *ce*



4. Angles subtended by a chord of the circle on the same side of the chord are equal.

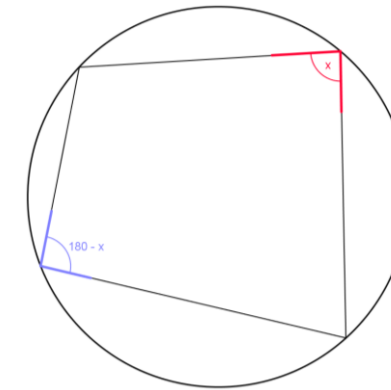
Maths Statement:

\angle s in same segm.



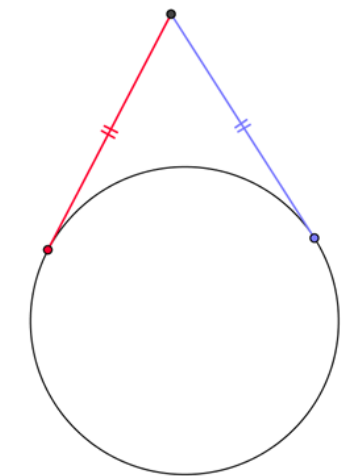
5. The opposite sides of a cyclic quadrilateral are supplementary.

Maths Statement: opp. \angle s of cyclic quad.



6. Two tangents drawn to a circle from the same point outside the circle are equal in length.

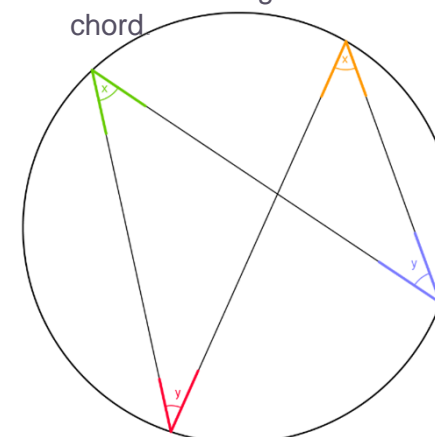
Maths Statement: tangents from point outside \odot .



7. The angle between the tangent to a circle and the chord drawn from the point of contact is equal to the angle in the alternate segment.

Maths Statement:

\angle between tangent and chord



8. A tangent to a circle is perpendicular to the radius, drawn to the point of contact.

Maths Statement:

tangent \perp radius

