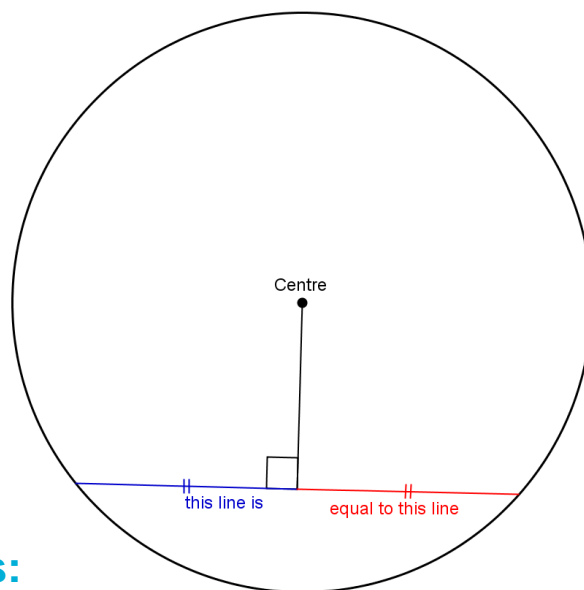
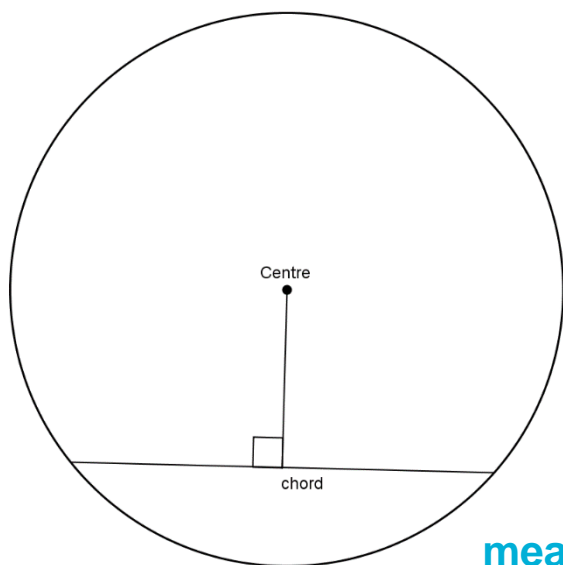


Euclidean Geometry Rules

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

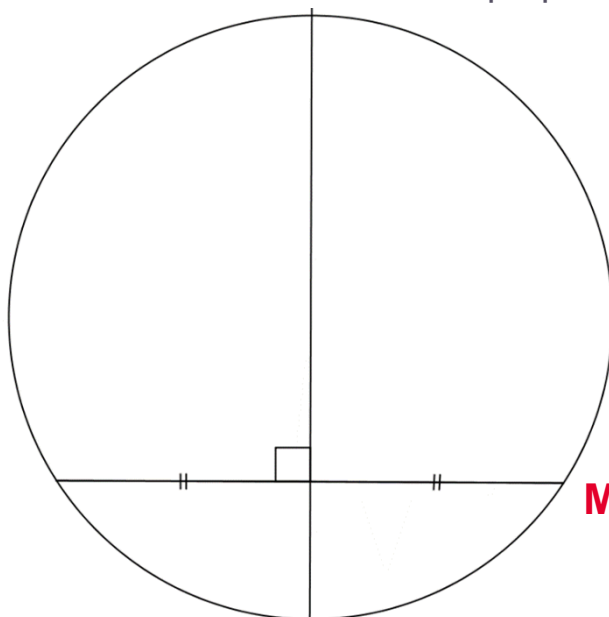
Maths Statement: Line through centre and midpt.



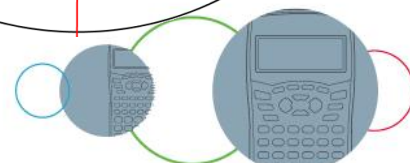
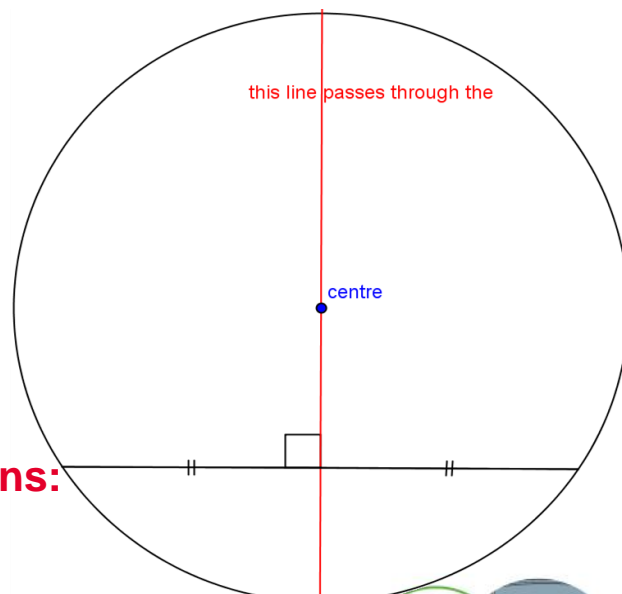
means:

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

Maths Statement: perp. bisector of chord.

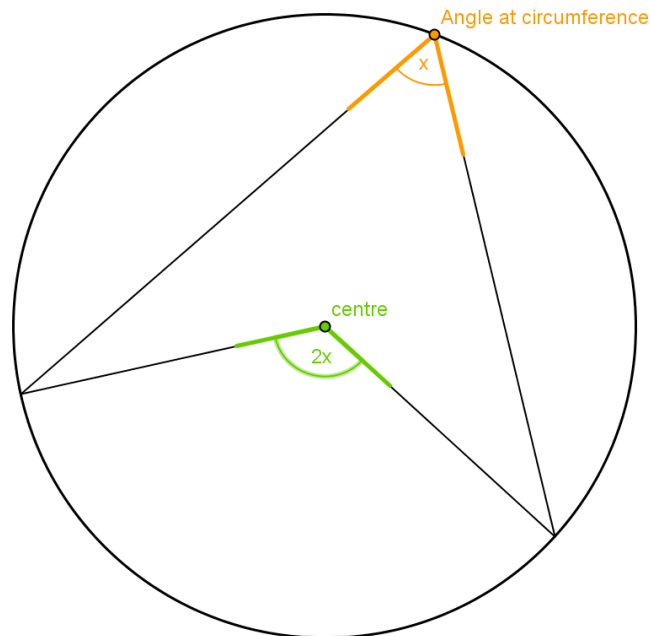


Means:



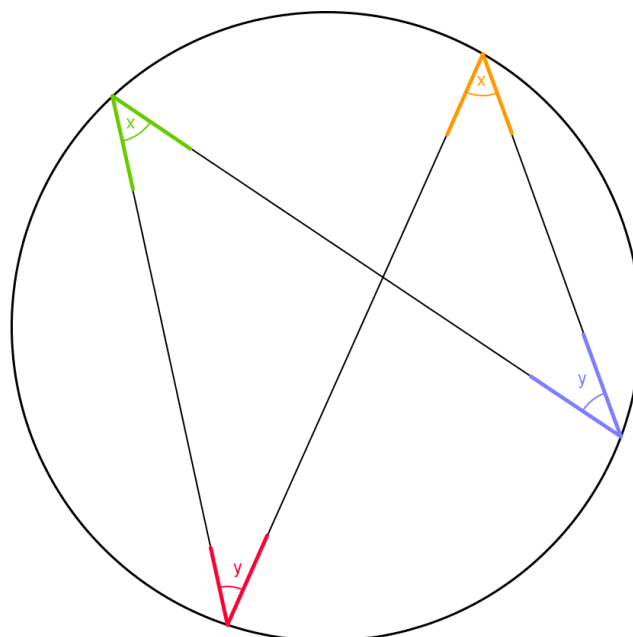
3. The angle subtended by an arc at the centre of a circle is double the size of the angle subtended by the same arc at the circle.

Maths Statement: \angle at centre = $2 \times \angle$ at \odot *ce*



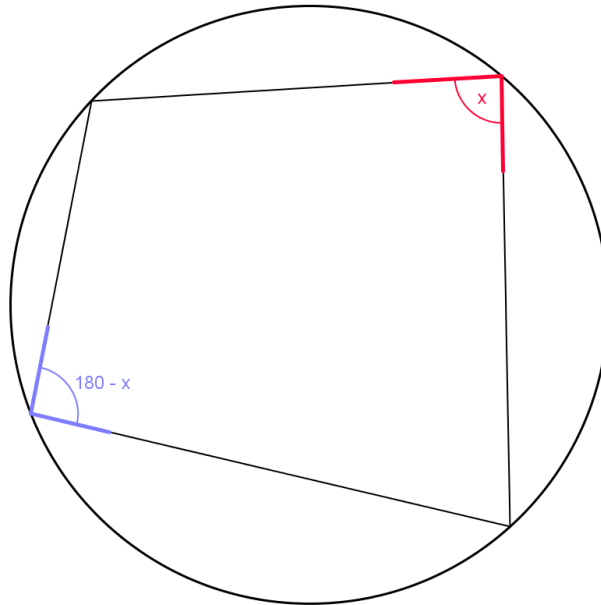
4. Angles subtended by a chord of the circle on the same side of the chord are equal.

Maths Statement: \angle s in same segm.



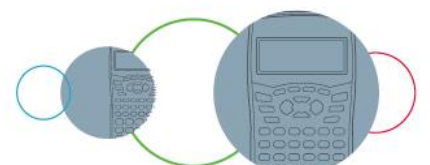
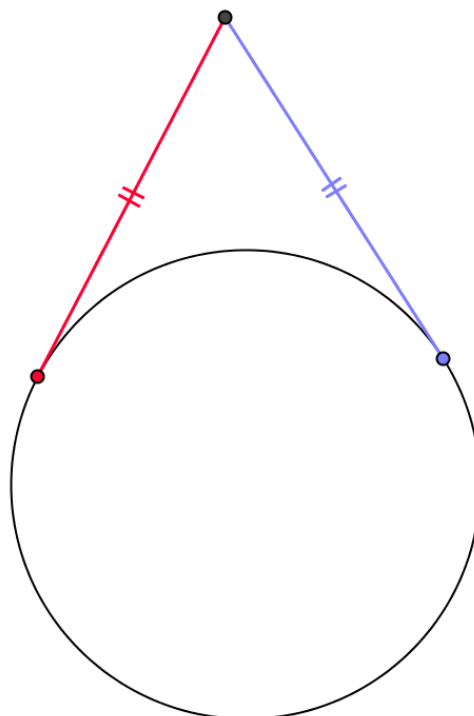
5. The opposite sides of a cyclic quadrilateral are supplementary.

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



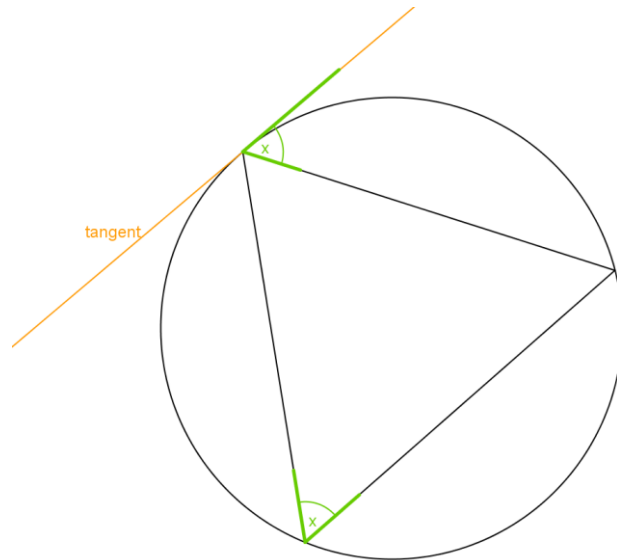
6. Two tangents drawn to a circle from the same point outside the circle are equal in length.

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

