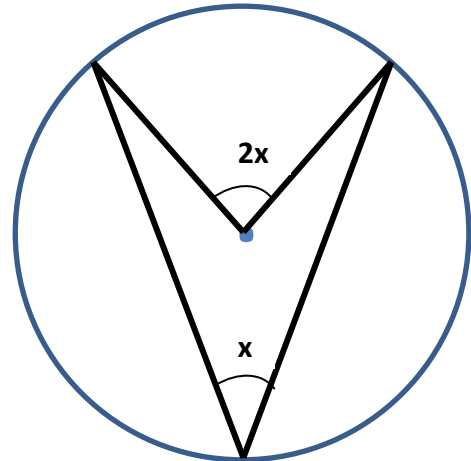


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Circle Theorems

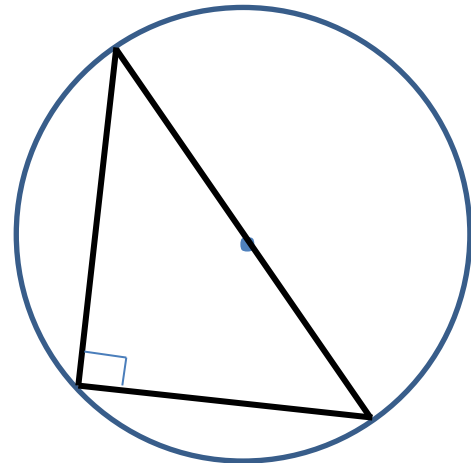
Rule 1:

The angle at the centre is twice the angle at the circumference.



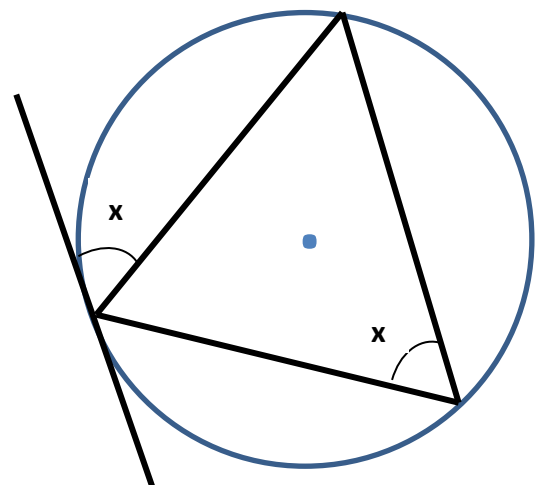
Rule 2:

The angle in a semi-circle is a Right angle (90°).



Rule 3:

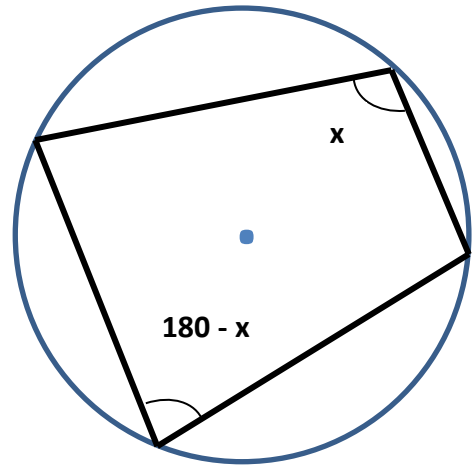
Alternate segment theorem.
The angle between the tangent and the chord is equal to the interior opposite angle in the triangle.



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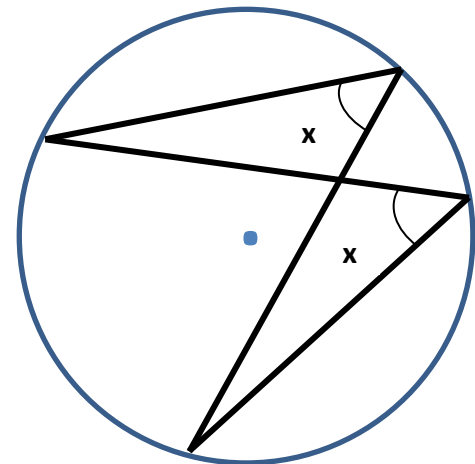
Rule 4:

The opposite angles in a cyclic quadrilateral add up to 180° .



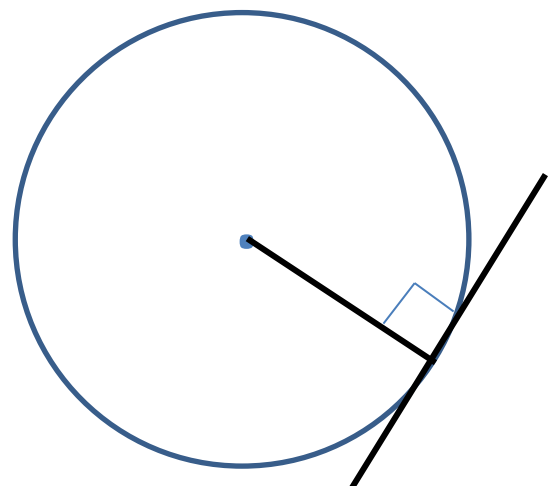
Rule 5:

Angles in the same segment (arc) are equal.



Rule 6:

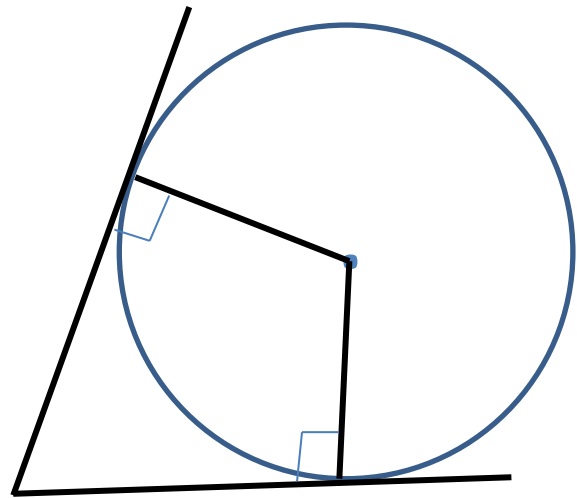
The angle between the radius and a tangent is a Right angle (90°).



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Rule 7:

Tangents from the same point to the circle are equal in length.



Rule 8:

The perpendicular line from the centre of the circle to the chord bisects (two equal parts) the chord.

