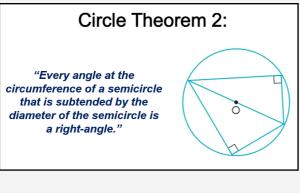
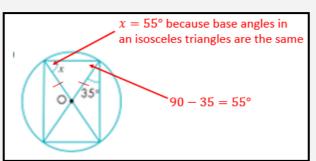
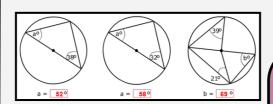


Circle Theorem 1:



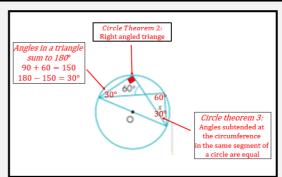


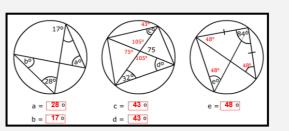


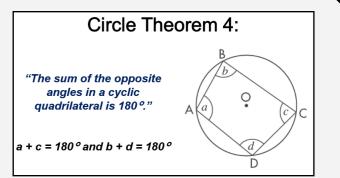
Circle Theorem 7:

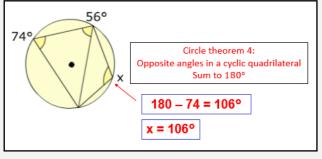
 $x = 110^{\circ}$

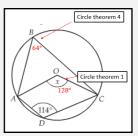
Circle Theorem 3: "Angles subtended at the circumference in the same segment of a circle are equal." Points C_1 , C_2 , C_3 and C_4 on the circumference are subtended by the same arc,





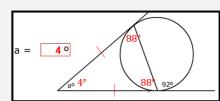






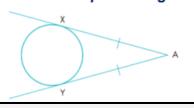


"When a radius meets a tangent, it always makes a 90° angle."



Circle Theorem 6:

"Tangents to a circle from an external point to the points of contact are equal in length."



"The line joining an external point to the

centre of the circle

bisects the angle

90+90+70 = 250°

360 - 250 = 110°

between the tangents.'

Circle

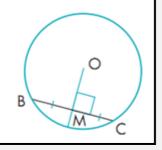
Unit 16:

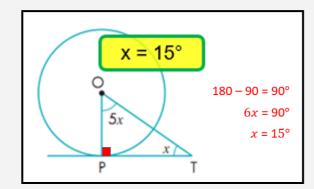
Theorems

Circle Theorem 8:

"A radius bisects a chord at 90 °."

If O is the centre of the circle, angle BMO = 90° and BM = CM.







The Alternate Segment Theorem

"The angle between a tangent and a chord through the point of contact is equal to the angle in the alternate segment."

