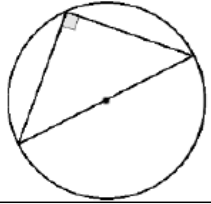
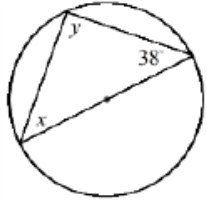
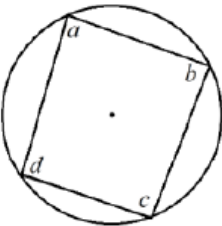
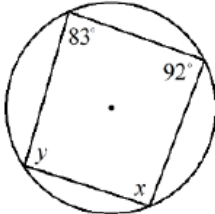
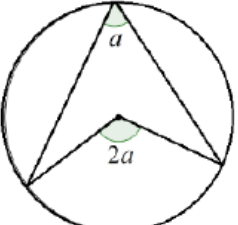
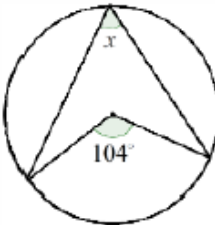
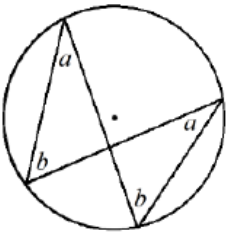
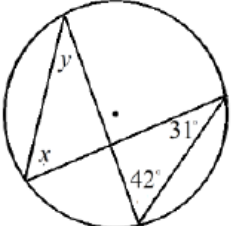
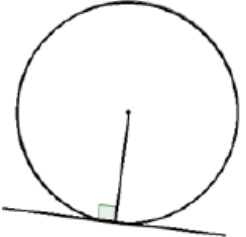
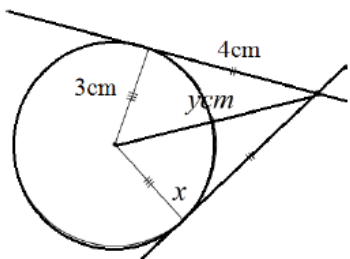
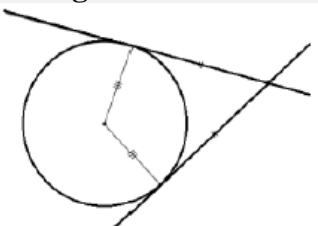
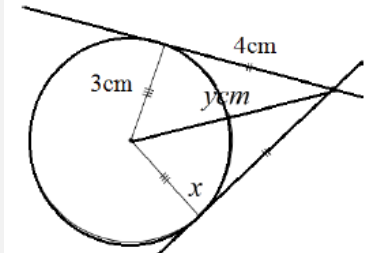
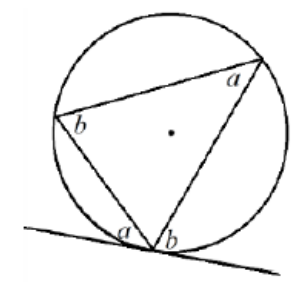
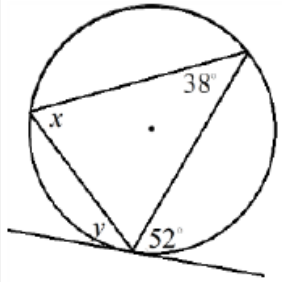




Topic/Skill	Definition/Tips	Example
Circle Theorem 1	Angles in a semi-circle have a right angle at the circumference. 	 $y = 90^\circ$ $x = 180 - 90 - 38 = 52^\circ$
Circle Theorem 2	Opposite angles in a cyclic quadrilateral add up to 180°.  $a + c = 180^\circ$ $b + d = 180^\circ$	 $x = 180 - 83 = 97^\circ$ $y = 180 - 92 = 88^\circ$
Circle Theorem 3	The angle at the centre is twice the angle at the circumference. 	 $x = 104 \div 2 = 52^\circ$
Circle Theorem 4	Angles in the same segment are equal. 	 $x = 42^\circ$ $y = 31^\circ$
Circle Theorem 5	A tangent is perpendicular to the radius at the point of contact. 	 $y = 5\text{cm (Pythagoras' Theorem)}$



Circle Theorem 6	Tangents from an external point at equal in length. 	 $x = 90^\circ$
Circle Theorem 7	Alternate Segment Theorem 	 $x = 52^\circ$ $y = 38^\circ$