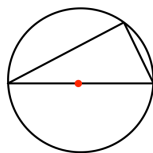
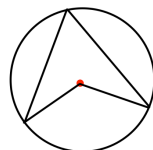


Workout

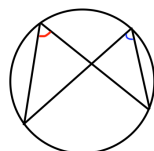
Question 1: Prove that the angle in a semi-circle is always 90°



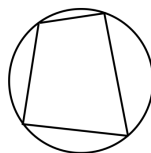
Question 2: Prove that the angle at the centre is twice the angle at the circumference.



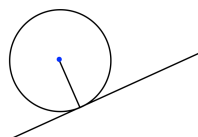
Question 3: Prove the angles in the same segment are equal.



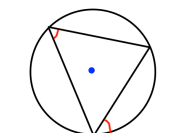
Question 4: Prove the opposite angles in a cyclic quadrilateral add to 180°



Question 5: Prove the angle between a tangent and the radius is 90°



Question 6: Prove the alternate segment theorem; that the angle between the tangent and the chord at the point of contact is equal to the angle in the alternate segment.



Answers



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