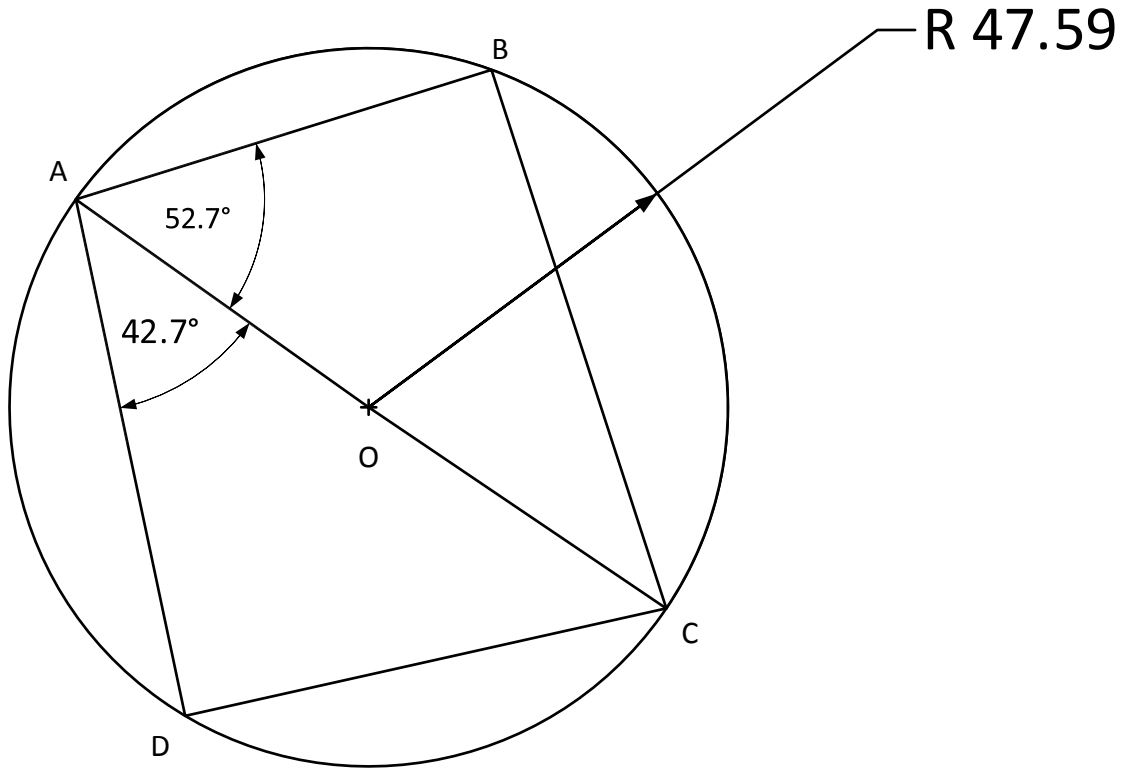


Year 10 Homework to be handed in on 24th April 2018

ABCD is a cyclic quadrilateral where AOC is the diameter of the circle.



- 1) Calculate the missing angles.
- 2) Using trigonometry, calculate the length of the sides of triangle ADC.
- 3) Calculate the lengths of the sides of triangle ABC.
- 4) What is the area of ABC?
- 5) What is the area of ADC?
- 6) What is the area of the circle?
- 7) What is the area of the circle outside the cyclic quadrilateral?