

## Past Exam Questions:

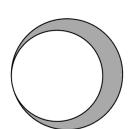
## <u>Q8.</u> 2019 Paper 2 Q5

The crescent, shown in the shaded part of the diagram, was created by removing a disc of radius 2.5 cm from a disc of radius 3 cm.

Find the **area** and the **perimeter** of the crescent. Give each answer correct to two decimal places.

## <u>Q9.</u> 2019 Paper 2 Q6(b)

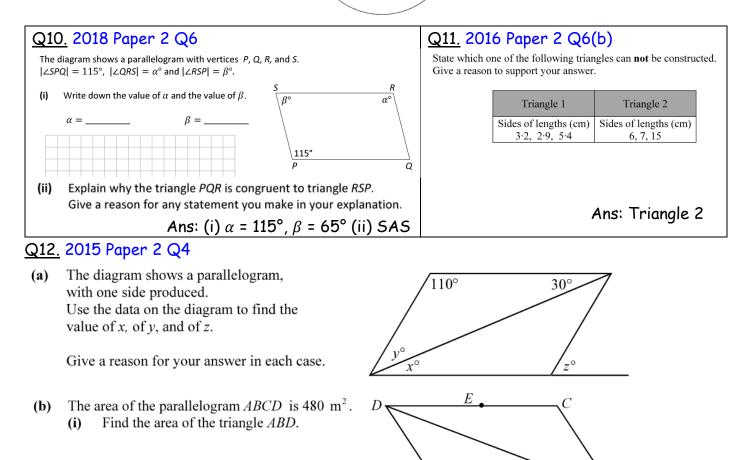
In the diagram O is the centre of the circle s. Find the value of  $\alpha$  and the value of  $\beta$ .



Ans: Area = 8.64cm², Perimeter = 34.56cm

Ans:  $\alpha = 52^\circ$ ,  $\beta = 19^\circ$ 

В



52

 $|\triangle ABD| =$ 

(ii) E is the midpoint of [CD]. Find the area of the triangle BCE.

Ans: (a) x = 30°, y = 40°, z = 70° (b)(i) 240m<sup>2</sup> (ii) 120m<sup>2</sup>