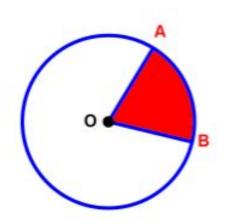
# Area of a Circular Sector



o find the area of the sector, we also need to know the area of the full circle.

The circular sector is in red.

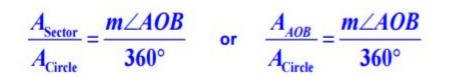
Point O is the center of the circle in black.

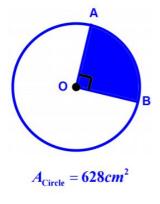
The central angle for the circular sector is  $\angle AOB$ .

There are 360° in a full circle.

#### Formula for Sector Area

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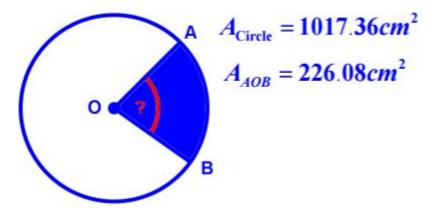




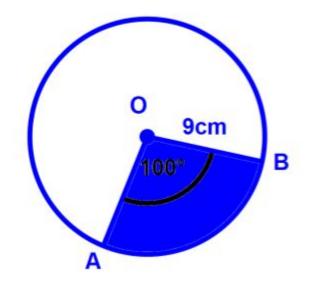
First, we state the information given in the question.

 $A_{\text{Circle}} = 628 cm^2 m \angle AOB = 90^\circ$ 

1. Given the circle and the information below, calculate  $m \angle AOB$ .



Given the information in the circle below, calculate the area of sector AOB.



Calculate the area of the following shape.

