

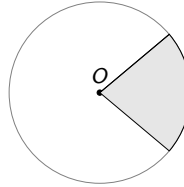
Areas of Circles and Sectors

Today I Can

1. Find the area of circles, sectors, and segments of circles.

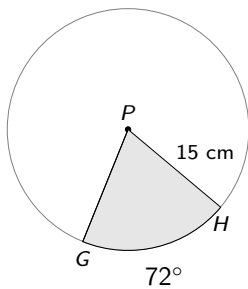
Sector Area

- $\frac{\text{Arc Measure}}{360} \times \text{Area of Circle}$
- $\frac{\text{Arc Measure}}{360} \times \pi r^2$

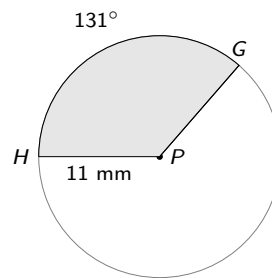


Example 1. What is the area of sector GPH ? Leave your answers in terms of π .

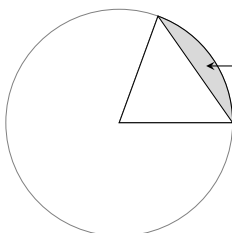
(a)



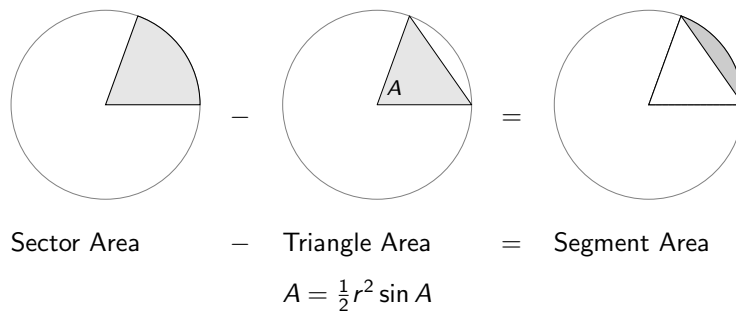
(b)



Segment of a Circle

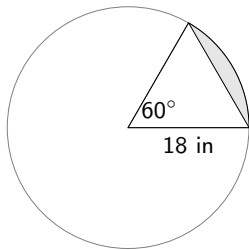


segment of a circle



Example 2. What is the area of each segment? Round to 2 decimal places.

(a)



(b)

