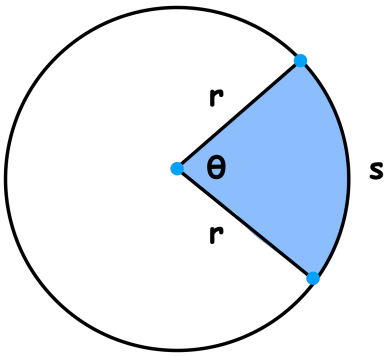
Area and Arc Length of a Sector

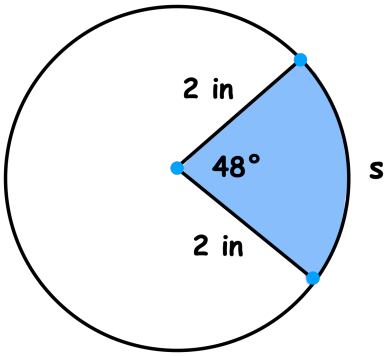


$$s = r\theta$$

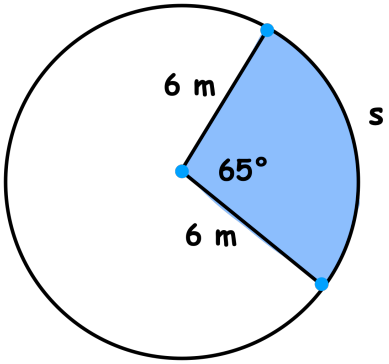
$$A = \frac{1}{2}r\theta^2 \text{ or } A = \frac{\theta^o}{360}\pi r^2$$

Determine **arc length** ***s*** and the **area** for the following sectors.
Approximate your answers to the nearest tenths.

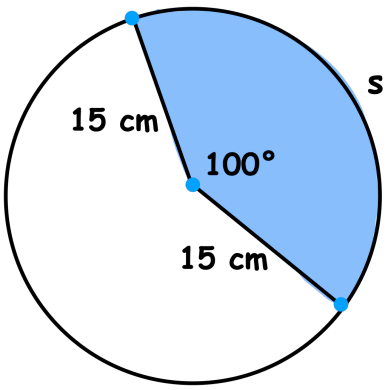
1.



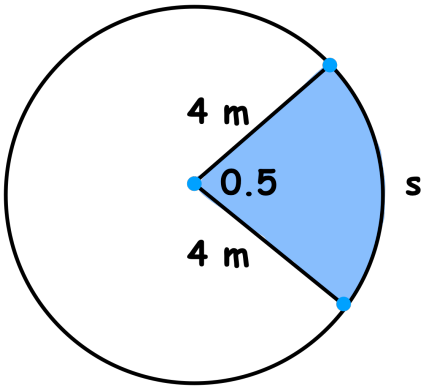
2.



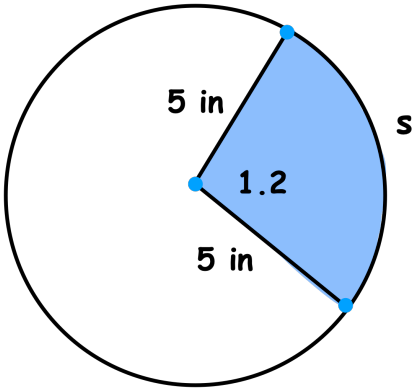
3.



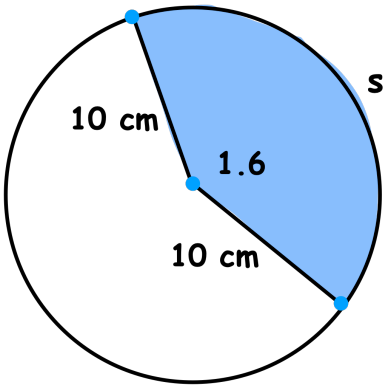
4.



5.

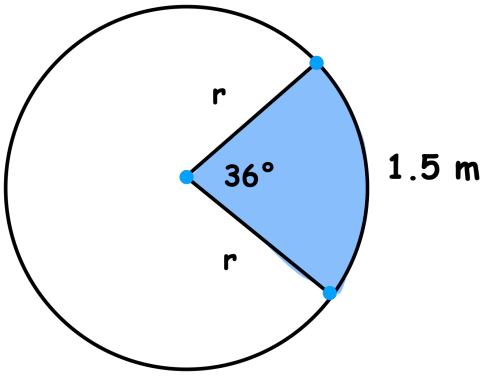


6.

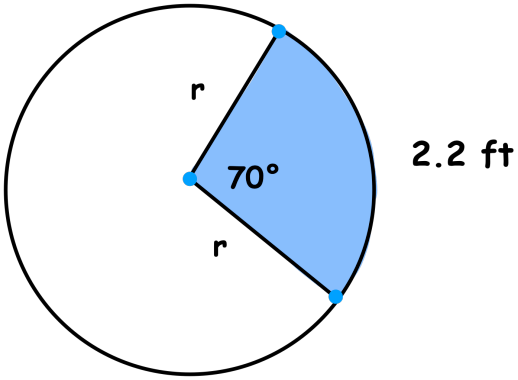


Determine the **radius** r and the **area** for the following sectors.
Approximate your answers to the nearest tenths.

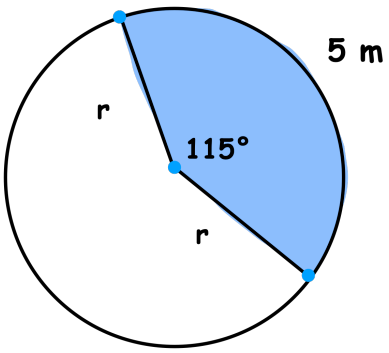
7.



8.

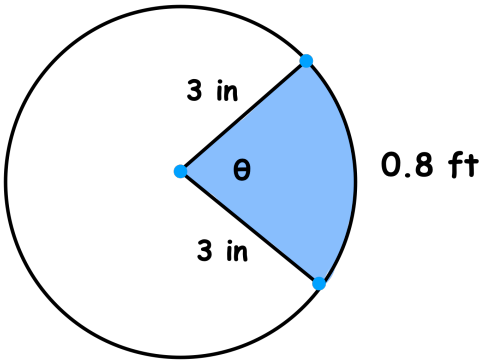


9.

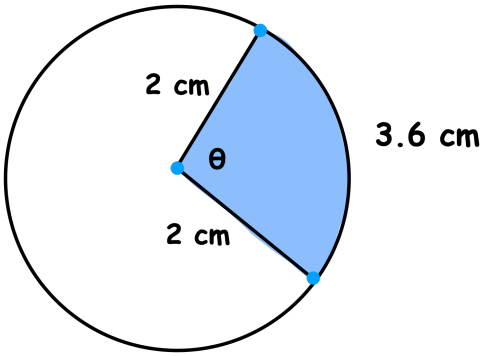


Determine the central **angle θ** and the **area** for the following sectors.
Approximate your answers to the nearest tenths.

10.



11.



12.