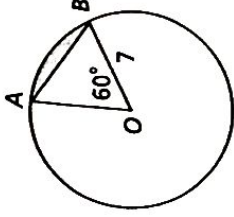


Practice 10-7

Areas of Circles and Sectors

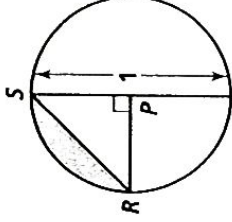
The radius of $\odot O$ is 7. Find the area of each of the following. Leave your answers in terms of π .

1. $\odot O$
2. $\triangle AOB$
3. sector AOB
4. the shaded segment

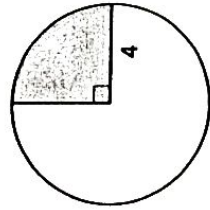


The radius of $\odot P$ is $\frac{1}{2}$. Find the area of each of the following. Leave your answers in terms of π .

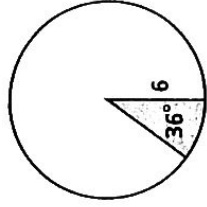
5. $\odot P$
6. $\triangle RPS$
7. sector RPS
8. the shaded segment



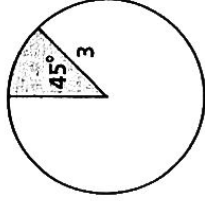
Find the area of each shaded sector of a circle. Leave your answers in terms of π .



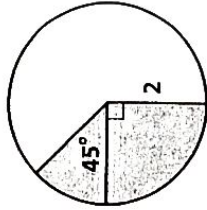
9.



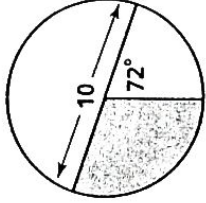
10.



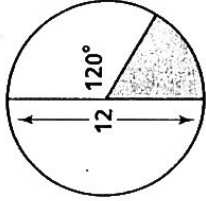
11.



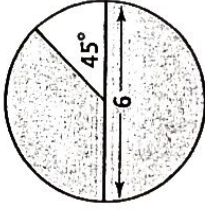
12.



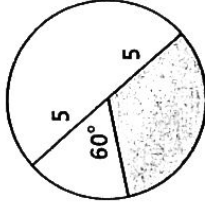
13.



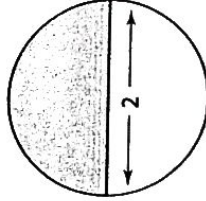
14.



15.

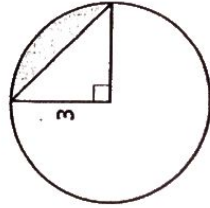


16.

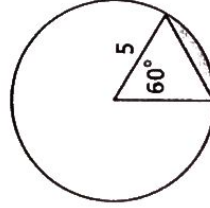


17.

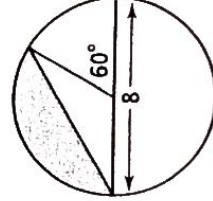
Find the area of each shaded segment of a circle. Round your answers to the nearest whole number.



18.



19.



20.