

Practice 10-7

Areas of Circles and Sectors

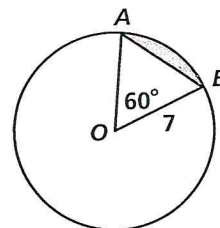
The radius of $\odot O$ is 7. Find the area of each of the following. Leave your answers in terms of π .

1. $\odot O$

2. $\triangle AOB$

3. sector AOB

~~4.~~ the shaded segment



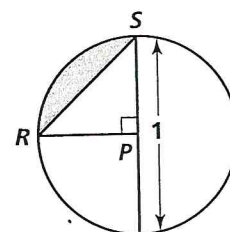
The radius of $\odot P$ is $\frac{1}{2}$. Find the area of each of the following. Leave your answers in terms of π .

5. $\odot P$

6. $\triangle RPS$

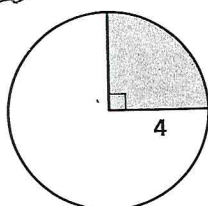
7. sector RPS

~~8.~~ the shaded segment

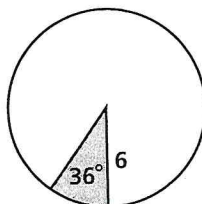


Find the area of each shaded sector of a circle. Leave your answers in terms of π .

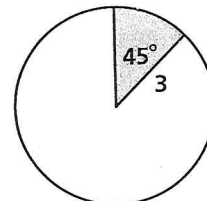
9.



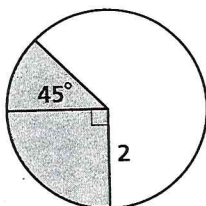
10.



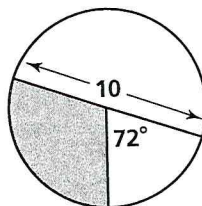
11.



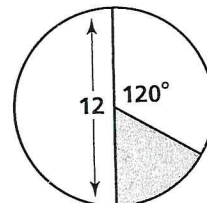
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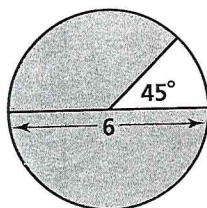
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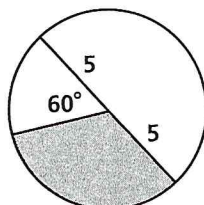
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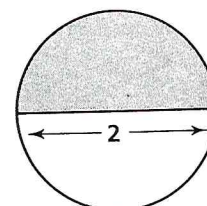
15.



16.

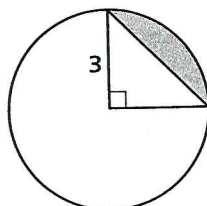


17.

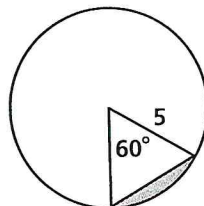


Find the area of each shaded segment of a circle. Round your answers to the nearest whole number.

18.



19.



20.

