Name _____ Class _____ Date _____

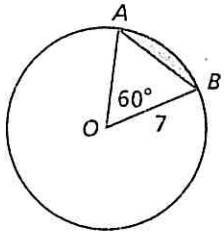
Practice 10-7

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.

Treat 1-4 as one problem

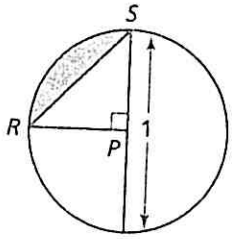
1. $\odot O$
2. $\triangle AOB$
3. sector AOB
4. the shaded segment



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

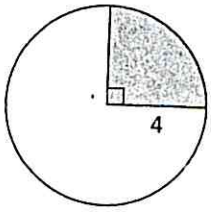
Same w/ 5-8 (use our 4 step process)

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

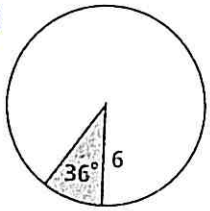


Find the area of each shaded sector of a circle. Leave your answers in terms of π.

9.



10.



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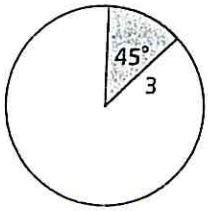
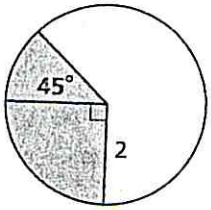
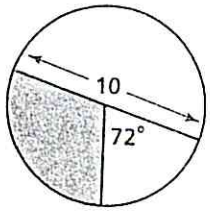


For 10-20 do circled problems

12.



13.



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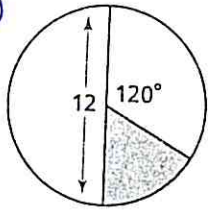

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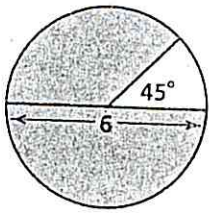

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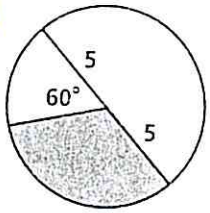

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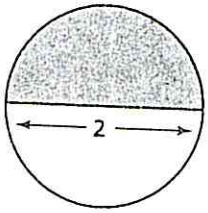
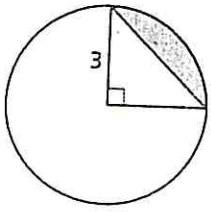


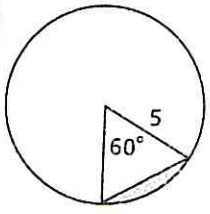
Find the area of each shaded segment of a circle. ~~Round your answers to the nearest whole number.~~

Keep answers exact.

18.



19.



20.