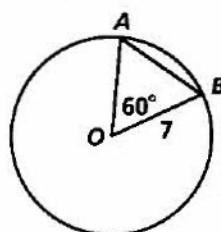


Practice 7-7

Areas of Circles and Sectors

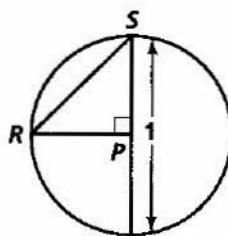
The radius of $\odot O$ is 7. Find the area of each of the following. Leave your answers in terms of π .

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. 9.
10. 10.
11. 11.
12. 12.
13. 13.
14. 14.
15. 15.
16. 16.
17. 17.

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

18. 18.
19. 19.
20. 20.