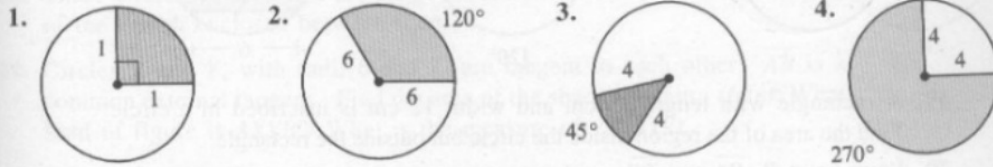


Classroom Exercises

Find the arc length and area of each shaded sector.



HW 11.6
orange

Written Exercises

Sector AOB is described by giving $m\angle AOB$ and the radius of circle O .
Make a sketch and find the length of \widehat{AB} and the area of sector AOB .

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
$m\angle AOB$	30	45	120	240	180	270	40	320	108	192
radius	12	4	3	3	1.5	0.8	$\frac{9}{2}$	$1\frac{1}{5}$	$5\sqrt{2}$	$3\sqrt{3}$

11. The area of sector AOB is 10π and $m\angle AOB = 100$. Find the radius of circle O .
12. The area of sector AOB is $\frac{7\pi}{2}$ and $m\angle AOB = 315$. Find the radius of circle O .

- Pg. 453 (CE):
2, 4
- Pg. 453 (WE):
#1-14,

Find the area of each shaded region. Point O marks the center of a circle.

