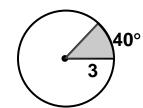
ARC LENGTH & SECTOR AREA

Find the measure(s) indicated. Answers to even numbered problems should be rounded to the nearest tenth when appropriate.

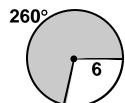
1. Arc Length = _____

Sector Area = _____



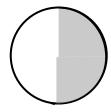
2. Arc Length = _____

Sector Area = _____



3. Arc Length = _____

Sector Area = _____



4. Arc Length =

5. Arc Length =

$$m\angle AOB = 108^{\circ}$$
 and $r = 10$

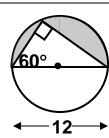
6. Sect	tor Area =	$m\angle AOB = 30^{\circ}$ and $r = 6$
7. Sect	tor Area =	$m\angle AOB = 108^{\circ}$ and $r = 10$
		r for each of the following. Clearly circle or bubble in ary. Work must be shown in order to receive credit.
8	expenses.	monthly budget, her utilities account for 7.5% of her total. She wants to create a circle graph depicting where her spent each month. How many degrees should be in the gle of the utilities sector?
	A. 54°	
	B. 30°	
	C. 27°	
	D. 15°	
9	utilities. F	ures he will spend on average \$780 per month in rent and lis total monthly expenses will total \$1,950. He wants to ircle graph depicting his monthly budget. How many hould be in the central angle of the home expense sector?
	A. 108°	
	B. 125°	
	C. 144°	
	D. 170°	

Find the measure(s) indicated. Answers to even numbered problems should be rounded to the nearest tenth when appropriate.

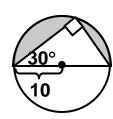
	The area of sector AOB is 48π and m \angle AOB = 270°.
10. r =	Find the radius of circle O.
10.1 =	Tilld the radius of circle O.
	In circle O, the length of \widehat{AB} is 2π and the radius is 5.
11. m∠AOB =	Find m∠AOB.
	Tilld III Z NOB.
	The even of contant AOD in Outside (AOD 400 Fill)
10 -	The area of sector AOB is 9π and m \angle AOB = 40° . Find
12. r =	the radius of circle O.
	m∠AOB = 240° and r = 12
13. Arc Length =	1112AOB = 240 and 1 = 12
13. Alc Length =	
	$m\angle AOB = 240^{\circ}$ and $r = 9$
14. Sector Area =	

Find the area of each shaded region below. Answers to even numbered problems should be rounded to the nearest tenth.

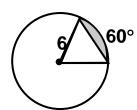
15. Area = _____



16. Area = _____



17. Area = _____



18. Area = ____

