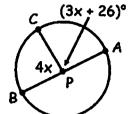
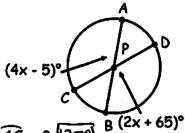
In 1-2, use $\odot P$ to find the value of x. Then, find the arc measures.

1.



$$\widehat{mAC} = ? \widehat{Qa^{\circ}}$$

2.

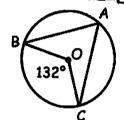


$$\widehat{mAC} = ? \overline{|35^{\circ}|}$$

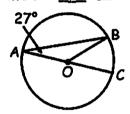
$$m\widehat{BD} = 7\overline{135^{\circ}}$$

Find the measure of the indicated arc or angle in ΘQ .

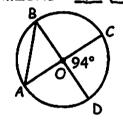
3. m∠BAC = ? [66°]



4.
$$m\widehat{BC} = \frac{7}{54^{\circ}}$$

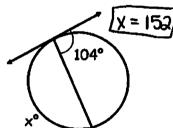


5.
$$m \angle BAC = 2$$
 $\boxed{43^{\circ}}$

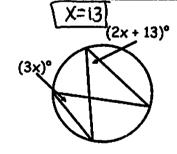


Find the value of each variable.

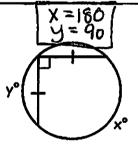
6.



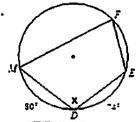
7.



8.

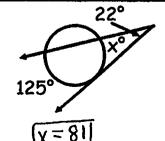


9.

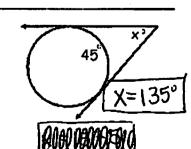


X = 103

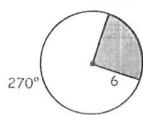
10.



11.



12. Find the area and arc length of the shaded region.



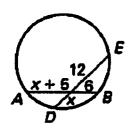
area ≈ 28.27 units²
length ≈ 9.4 units

- 13. The area of one piece of pizza is 9π in². The pizza is cut into eighths. Find the radius of the pizza pie.
- 14. Determine the radius of the circle with a circumference of 26π cm². Use the radius to then find the area.

15. A sprinkler system can shoot water at a distance of 15 yards. It is set up to rotate 240 degrees. How much area of the yard is covered by the sprinkler?

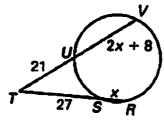
16. The clock in our classroom has a radius of 9 inches. If it's 4:00, find the arc length and area of the sector for this time.

17. Find AB



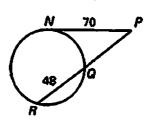
AB=16

18. Find TV



TV = 45

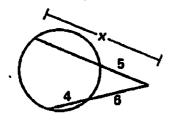
19. Find PQ



PE

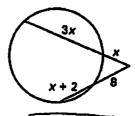
PQ = 50

20. Solve for x



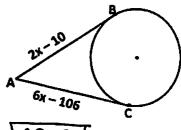
X=12 \

21. Solve for x



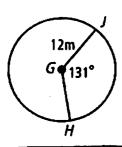
x≈5.6

22. Find AB



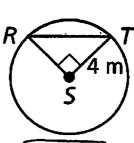
AB=38

23. Find the area of the sector



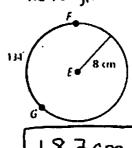
164.6m2

24. Find the area of the shaded region



 $4.5m^2$

25. Find the length of FG



18,7cm