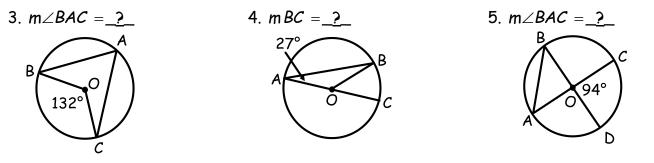
D

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

1.

 $(3x + 26)^{\circ}$ Α С 2. Ρ (4x - 5)° P <u>B (2x + 65)</u>° mBC = ?mAC = ?mAC = ?mBD = ?

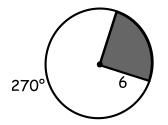
Find the measure of the indicated arc or angle in $\odot O$.



Find the value of each variable. $(2x + 13)^{\circ}$ 6. 7. 8. (3x)° . 104° **,** ° 22° 9. 10. 11. × 45 М 125 74° 80

Name ___

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



13. The area of one piece of pizza is $9\pi in^2$. 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.

