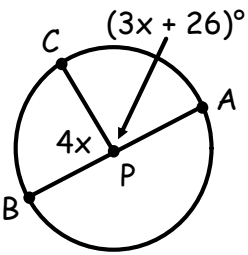


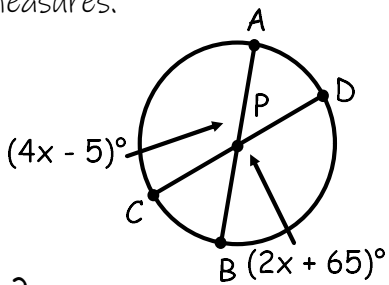
Geometry Circle Angles & Arcs Review

Name \_\_\_\_\_

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

1. 

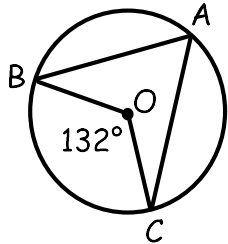
$m\widehat{BC} = ?$   
 $m\widehat{AC} = ?$

2. 

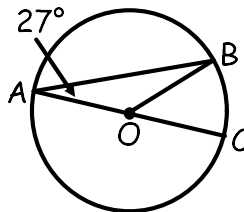
$m\widehat{AC} = ?$   
 $m\widehat{BD} = ?$

Find the measure of the indicated arc or angle in Circle O.

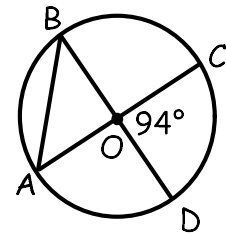
3.  $m\angle BAC = ?$



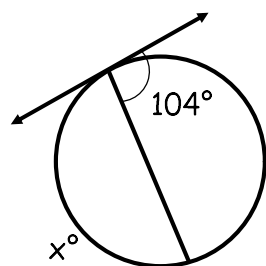
4.  $m\widehat{BC} = ?$

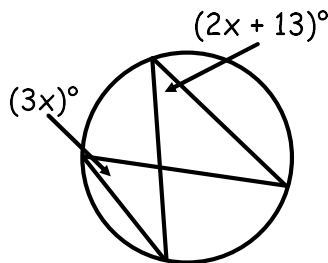


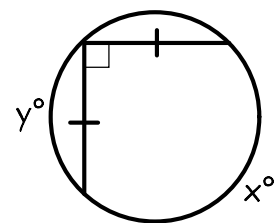
5.  $m\angle BAC = ?$

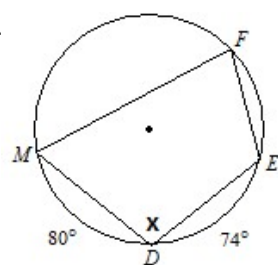


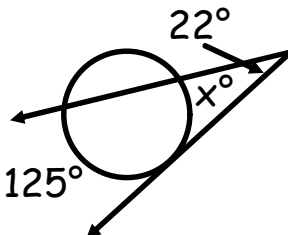
Find the value of each variable.

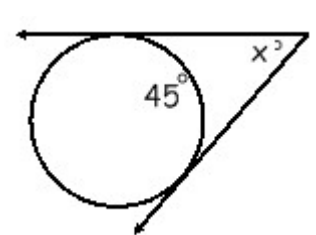
6. 

7. 

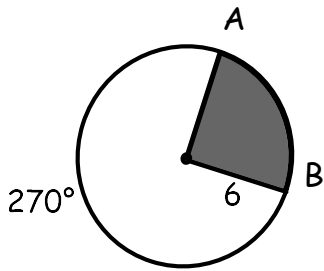
8. 

9. 

10. 

11. 

- 
12. a. Find the Sector Area of the shaded region.    b. Find the Arclength of  $\widehat{AB}$



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13. The area of one piece of pizza is  $9\pi \text{ in}^2$ . The pizza is cut into eighths. Find the radius of the pizza pie.

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14. Determine the radius of the circle with a circumference of  $26\pi \text{ cm}^2$ . Use the radius to then find the area.

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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?

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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.
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