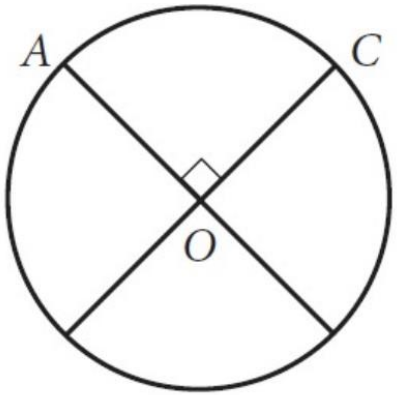
koolearn
新东方在线

SAT数学

张斯乐

4.2 Angle/Arc /Sector

1.



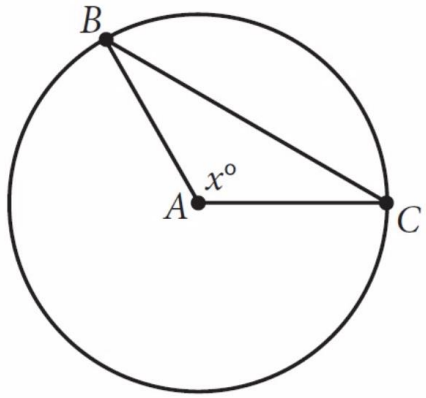
The circle above with center O has a circumference of 36. What is the length of minor arc $\overset{\frown}{AC}$?

4.2 Angle/Arc /Sector

2. Points A and B lie on a circle with radius 1, and arc $\overset{\frown}{AB}$ has length $\frac{\pi}{3}$. What fraction of the circumference of the circle is the length of arc $\overset{\frown}{AB}$?

4.2 Angle/Arc /Sector

3.



Note: Figure not drawn to scale.

In the circle above, point A is the center and the length of arc $\overset{\frown}{BC}$ is $\frac{2}{5}$ of the circumference of the circle. What is the value

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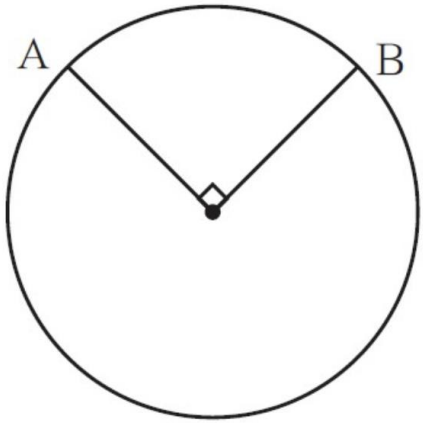
4.



In the circle above, O is the center and OB=4. If the length of arc $\overset{\frown}{AB}$ is $a\pi$. where a is a constant, what is the value of a?

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Thanks

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