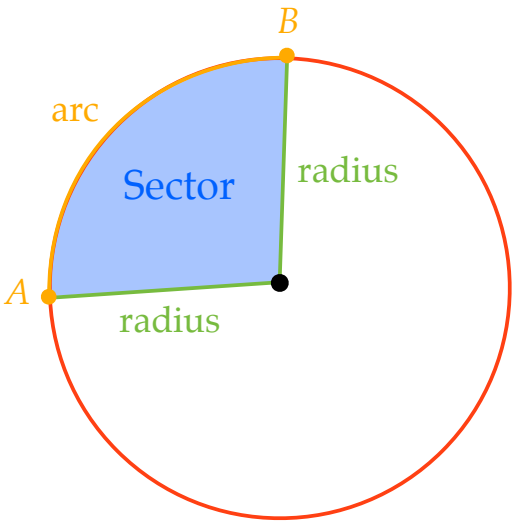
Area of Sectors of Circles

Name _____

Date _____ Period _____

Sector of a Circle

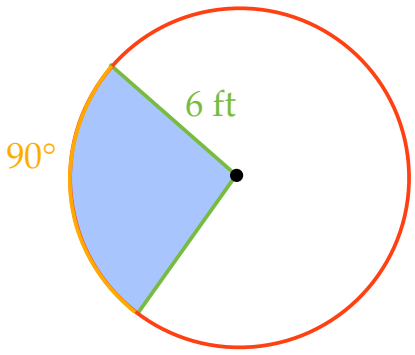
A sector of a circle is the area bounded by an arc and two radii to the arc's endpoints.



Area of a Sector of a Circle

Find the Area of the Sectors of the following Circles

$$A = \frac{m\overset{\frown}{AB}}{360^\circ} \cdot \pi r^2$$



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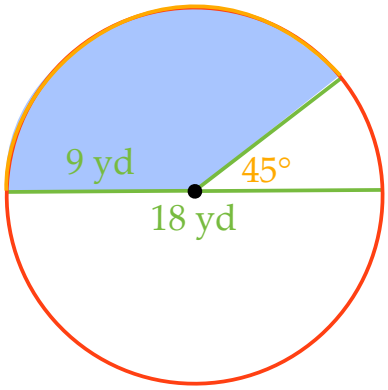

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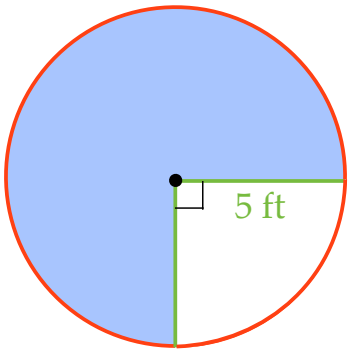
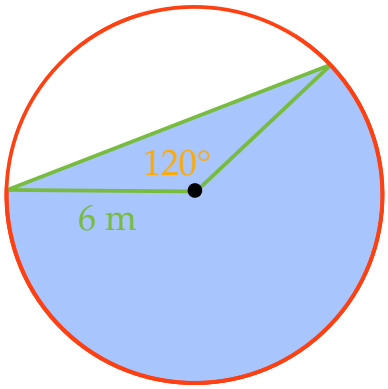


Find the Area of the Sectors of the following Circles

$$A = \frac{m\overset{\frown}{AB}}{360^o} \cdot \pi r^2$$



Sector of a Circle

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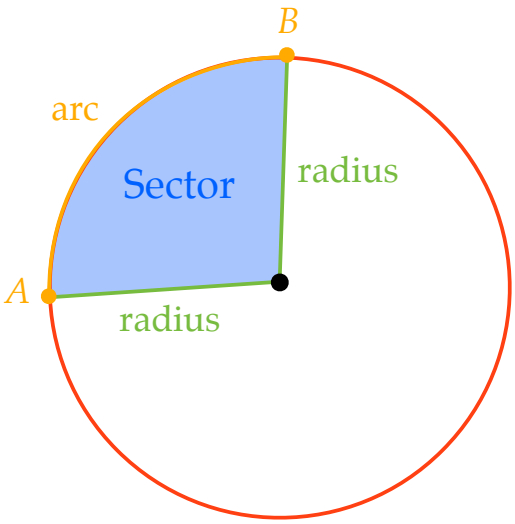

Area of a Sector of a Circle

$$A = \frac{m\overset{\frown}{AB}}{360^o} \cdot \pi r^2$$ Area of a Circle

Sector Portion of the Circle