

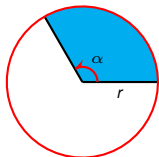
Precalculus

Find area of a sector

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2019

A sector of a circle is the region cut off from a circle by an angle whose vertex is at the center of the circle.



Proposition (Area of a circle sector)

The area of a circle sector equals

$$\frac{1}{2}\alpha r^2,$$

where α is the angle of the sector.