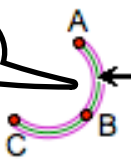


# Measuring Arc Angles and Arc Lengths

## Measuring an Arc Length

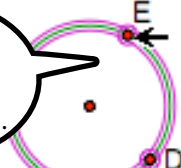
Select an arc...



Length  $\widehat{ABC} = 2.29$  cm

and choose **Measure | Arc Length.**

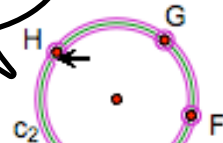
Select a circle and two points...



Length  $\widehat{DE}$  on  $c_1 = 2.12$  cm

to measure the length of a minor arc.

Select a circle and three points...

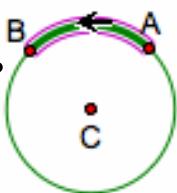


Length  $\widehat{FGH}$  on  $c_2 = 3.11$  cm

to measure the arc defined by the points.

## Measuring an Arc Angle

Select arc AB...



Measure

Length

Distance

Perimeter

Circumference

Angle

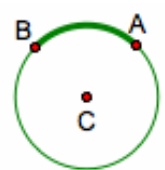
Area

Arc Angle

Arc Length

and choose **Measure | Arc Angle.**

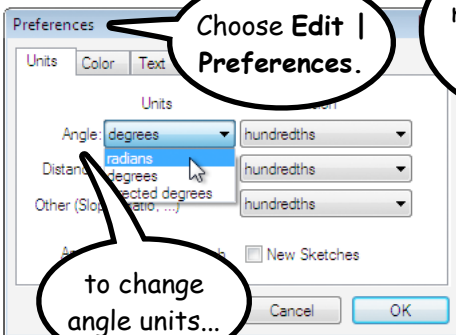
A measure between  $0^\circ$  and  $360^\circ$  appears.



$m \widehat{AB} = 90.00^\circ$   
 $m \angle ACB = 90.00^\circ$

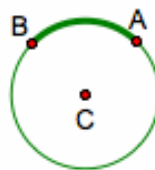
It is equal to the measure of angle ACB.

Choose **Edit | Preferences.**



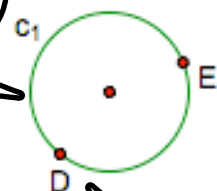
to change angle units...

The measurement changes to radians.



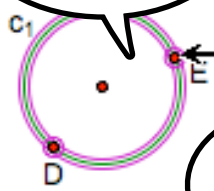
$m \widehat{AB} = \frac{\pi}{2}$  radians

You can also start with a circle...

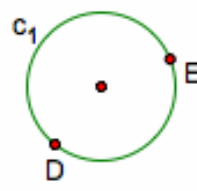


and two or three points on the circumference.

Select the circle and points D and E...



and choose **Measure | Arc Angle.**



$m \widehat{DE}$  on  $c_1 = 2.63$  radians

The angle measurement of the minor arc appears.