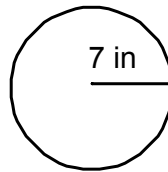


GEO Notes Lesson 9.2 "Circles"

Circumference - $C = \pi d$

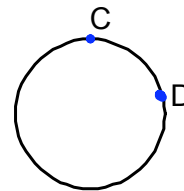
Area - $A = \pi r^2$



$C =$

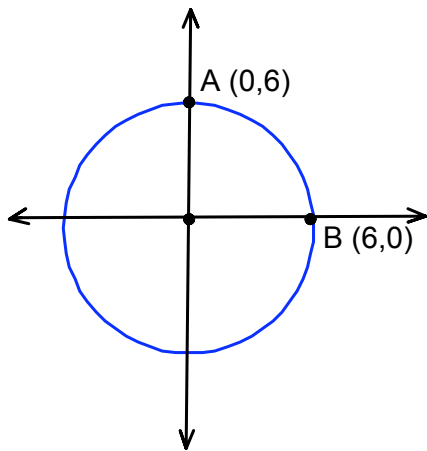
$A =$

Arc - made up of 2 points on a circle and all the points of the circle needed to connect those 2 points by a single path.



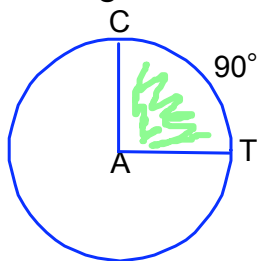
Called arc CD (\widehat{CD})

The measure of an arc is = the # of degrees it occupies (the part of 360°)
The length of an arc = a fraction of the circle's circumference.



Find the length and the measure of \widehat{AB} .

Sector - region bounded by 2 radii and an arc



sector CAT of circle A

The area of the sector CAT is a fraction of the area of circle A.
Can you find the area?

Chord - line segment joining 2 points on a circle.

Inscribed angle - \angle whose vertex is on a circle and whose sides are determined by 2 chords

Intercepted arc - an arc whose endpoints are on the sides of an angle and whose other points all lie within the angle.

