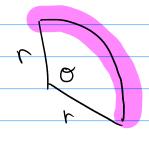
## Including the following:

CONTENT	Page
Arc length	2
Arc length Area of a sector	2
Convert radians to degrees	2
convert degrees to radians	2
Convert radians to degrees convert degrees to radians Area of a segment.	\ 3
J	



> radius

arc length

S = ro angle between radii in radians

## ARGA OF A SECTOR

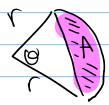


360 = 2TT

angle between 180 radii : 8° x TI

## CONVENT to otaltes

 $2\pi = 360$   $2\pi \times 180$   $\pi$  180  $\pi$ 



Area of segment = Area of sector - Area of triangle  $= \frac{1}{2}r^2 \Theta - \frac{1}{2}r^2 \sin \Theta$   $= \frac{1}{2}r^2 \left(\Theta - \sin \Theta\right)$   $= \frac{1}{2}r^2 \left(\Theta - \sin \Theta\right)$