<u>C.O.</u>: SWBAT use equations to solve for the lengths of arcs and the area of sectors.

<u>L.O.</u>: SWBAT identify arcs and sectors of circle, being able to find the length of arcs and area of sectors.

## <u>Sectors</u>:

The inside portion of the circle that is bounded by the arc and the radii is called the \_\_\_\_\_.

0

There are two sectors, each covered by a specific arc.



Equations for Portions of a Circle: Given the circle with minor arc  $\widehat{AB}$ , Arc Length:

Area of a Sector:

**<u>Practice</u>**: Find the arc length and area of each chosen sector.



Group Practice: Find the arc length and area of each sector of the circle.



Find the arc length and area of each chosen sector.



If given the area of the sector, find the radius and the arc length. If given the arc length, find the radius and the area of the sector.



9.) Given Arc Length:  $3\pi$ 



