**Vocabulary: Radians**



**Vocabulary**

***B***

***C***

***A***

* Arc – a piece of a circle.
* For example,  is an arc of the circle shown to the right.
* Central angle – an angle with a vertex at the center of a circle.
* For example, ∠*BAC* is a central angle of the circle shown to the right.
* Circumference – the distance around a circle.
* Radian – a unit of angle measure that expresses how many radii fit along the arc intercepted by the angle.
* For any circle, exactly 2** radii fit along the circumference of the circle, so 1 full rotation (360°) = 2** radians.
* Because 2** radians = 360°, it follows that 1 radian = , or about 57.3°.
	+ An angle of 1 radian intercepts an arc that is exactly the same length as 1 radius.
* Radius – a line segment with one endpoint at the center of a circle and the other endpoint on the circle.