Circles and Related Terms

Circle: a set of all points in a plane that are the same distance from a fixed points called the **center**

Radius: a segment whose endpoints are the center of a circle and a point on the circle

Central angle: an angle formed by any two distinct radii of a circle

Arc: a portion of a circle that consists of two endpoints and all the points on the circle between these two endpoints

a. **Semicircle:** an arc whose endpoints are

the endpoints of a diameter

b. **Minor arc:** an arc which is less than a semicircle

c. **Major arc:** an arc which is more than a semicircle

The degree measure of a semicircle is $180°$.

The degree measure of a minor arc is the same as the degree measure ot its corresponding central angle.

The degree measure of a major arc is $360°$minu tne degree measure of its corresponding minor arc.