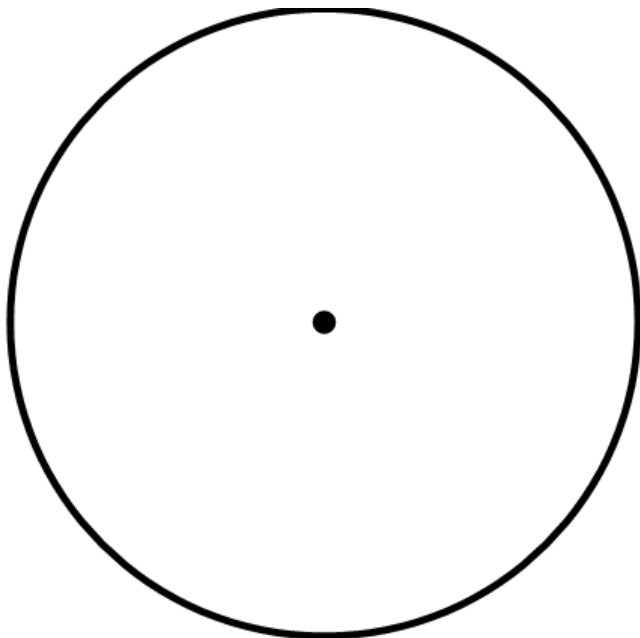


G7-2 Investigation I:

Name your circle A. Draw three points on the circle. Label them in order C, R and D.

Draw $\angle CAR$ and $\angle CDR$.

Using a protractor find: $m\angle CAR =$ _____ and $m\angle CDR =$ _____



Investigation II:

Add a point F to create \widehat{CFR}

Draw $\angle CFR$

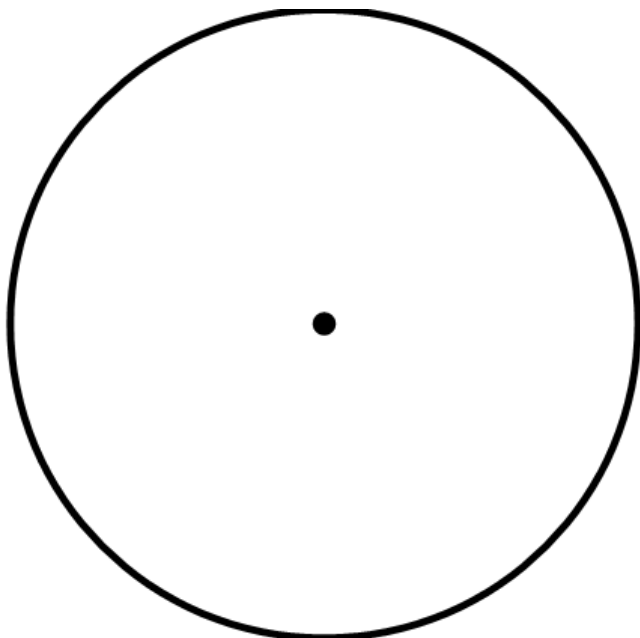
$m\angle CFR =$ _____

G 7-2 Investigation I:

Name your circle A. Draw three points on the circle. Label them in order C, R and D.

Draw $\angle CAR$ and $\angle CDR$.

Using a protractor find: $m\angle CAR =$ _____ and $m\angle CDR =$ _____



Investigation II:

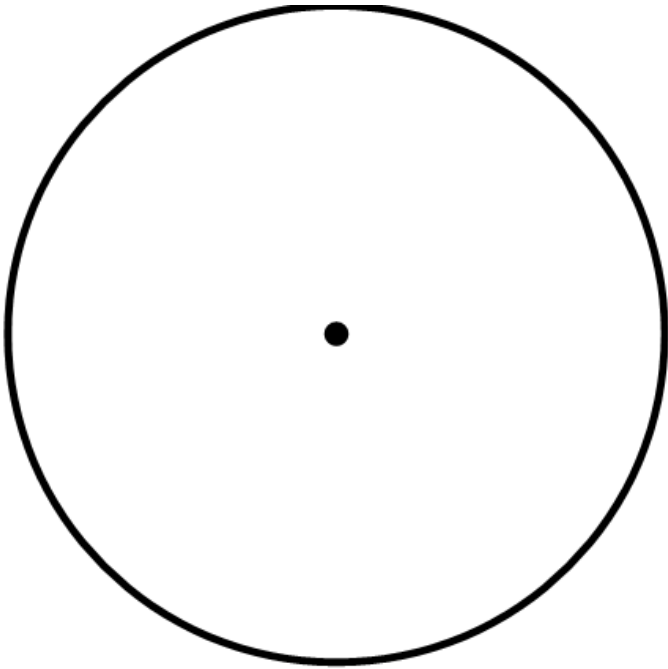
Add a point F to create \widehat{CFR}

Draw $\angle CFR$

$m\angle CFR =$ _____

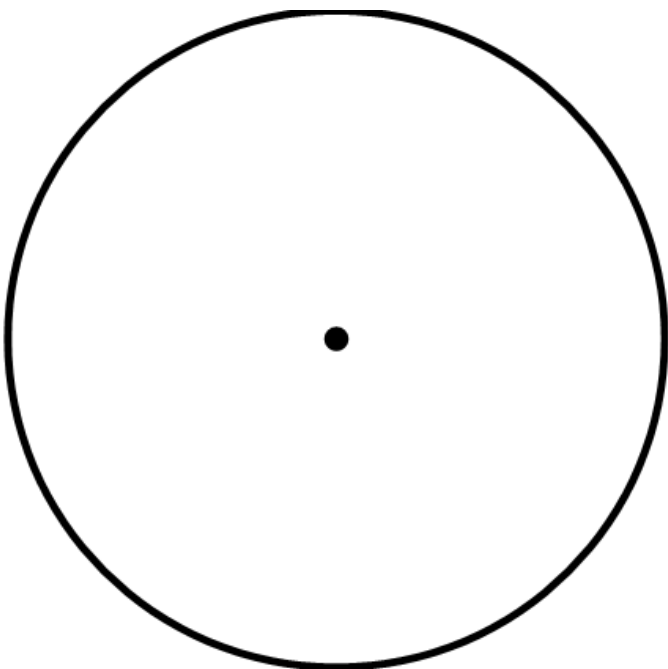
Investigation III:

Draw diameter \overline{BE} . Create semicircle \widehat{BLE} . Using a protractor find $m \angle BLE = \underline{\hspace{2cm}}$



Investigation III:

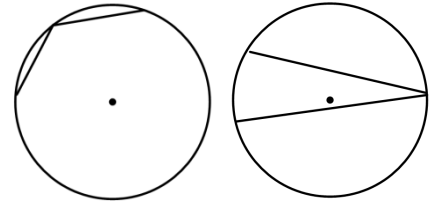
Draw diameter \overline{BE} . Create semicircle \widehat{BLE} . Using a protractor find $m \angle BLE = \underline{\hspace{2cm}}$



7.2 NOTES - Properties of angles in circles:

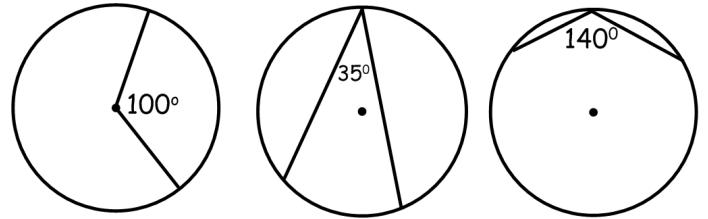
Intercepted arcs:

Definition: The arc between the intersection of the sides of an inscribed angle and the edge of the circle.



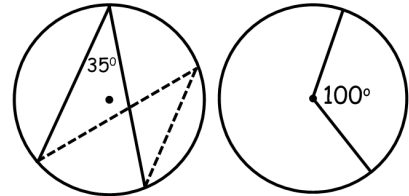
Property #1:

The measure of the INSCRIBED ANGLE is ALWAYS



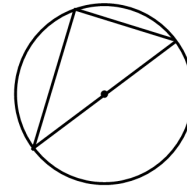
Property #2:

Inscribed angles that intercept the same arc _____.



Property #3:

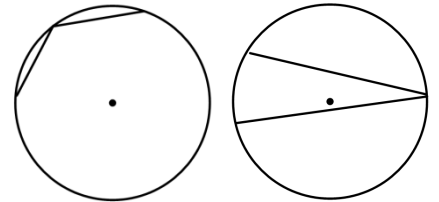
Angles inscribed in a semicircle are _____.
(See property #1)



7.2 NOTES - Properties of angles in circles:

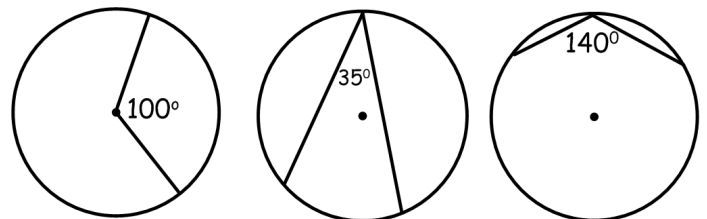
Intercepted arcs:

Definition: The arc between the intersection of the sides of an inscribed angle and the edge of the circle.



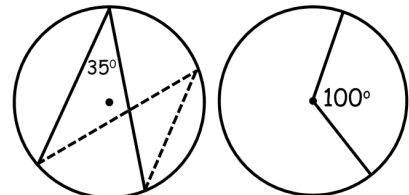
Property #1:

The measure of the INSCRIBED ANGLE is ALWAYS



Property #2:

Inscribed angles that intercept the same arc _____.



Property #3:

Angles inscribed in a semicircle are _____.
(See property #1)

