Step 1: Open GeoGebra and hide the axes.
Step 2: Create a circle with center A and side point B.
Step 3: Place points $C$ and $D$ on the opposite side of the circle from $B$ in a counter clock-wise direction.
Step 4: Create segments CB and DB.
Step 5: Draw angle CBD (an inscribed angle).
Step 6: Place point E on the circle in a clock-wise direction from point B.
Step 7: Create segments CE and DE.
Step 8: Draw angle CED (another inscribed angle, intercepting the same arc as the first.)
What do you notice about these two inscribed angles? $\qquad$
Step 9: Place point F on the circle in a clock-wise direction from point E .
Step 10: Create segments CF and DF.
Step 11: Draw angle CFD (a third inscribed angle, intercepting the same arc as the first 2.)
Your construction should look similar to this:


What do you notice about the measure of all 3 inscribed angles? $\qquad$
Move point B, E, or F around, without crossing onto the common intercepted arc. What do you notice about all 3 angles? $\qquad$

Compare your results with the results of others near you.
Your next conjecture could be:
$\qquad$ .

