

Geometry

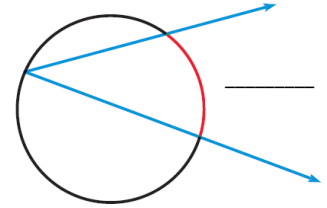
10.4 Inscribed Angles and Polygons

Inscribed Angle

- An angle whose _____ is on the _____ of a circle and is _____ the circle.

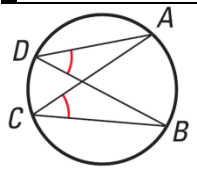
Intercepted Arc

- The arc of the circle that is _____ the _____.



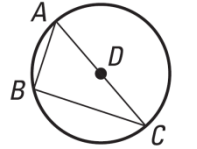
The measure of an _____ is _____ the measure of the _____ arc.

If _____ inscribed angles of the same or congruent circles intercept _____ arcs, then the angles are _____.

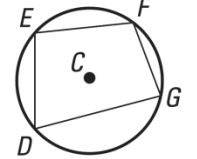


If an inscribed angle of a circle intercepts a _____, then the angle is a _____ angle

$\frac{1}{2} 180$ (semicircle) = 90



If a _____ is inscribed in a circle, then the _____ angles are _____.



Find the measure of the red angle.

Find the value of each variable.

Assignment: 538 #2, 3, 4, 6, 7, 8, 10, 11, 12, 13, 14, 16, 22, 30, 32, 34, 36, 38, 39, 43 = 20 total