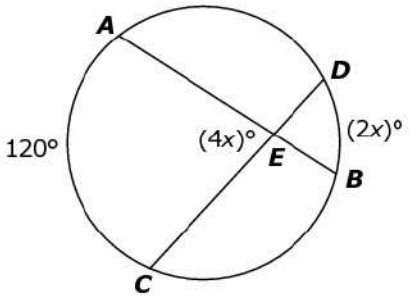


Geometry EOC Item Specifications
Florida Standards Assessments

MAFS.912.G-C.1.2	Identify and describe relationships among inscribed angles, radii, and chords. <i>Include the relationship between central, inscribed, and circumscribed angles; inscribed angles on a diameter are right angles; the radius of a circle is perpendicular to the tangent where the radius intersects the circle.</i>
Item Types	<p>Equation Editor – May require creating numeric values or expressions.</p> <p>GRID – May require creating circles with specific features.</p> <p>Multiple Choice – May require selecting a value or an expression from a list.</p> <p>Multiselect – May require selecting responses.</p> <p>Open Response – May require describing relationships.</p>
Clarification	Students will solve problems related to circles using the properties of central angles, inscribed angles, circumscribed angles, diameters, radii, chords, and tangents.
Assessment Limit	Items may include finding or describing the length of arcs when given information.
Stimulus Attribute	Items may be set in a real-world or mathematical context.
Response Attribute	Items may require the student to use or choose the correct unit of measure.
Calculator	Neutral

Sample Item	Item Type												
<div style="text-align: right; margin-bottom: 10px;">Equation Editor</div> <p>In the diagram shown, chords AB and CD intersect at E. The measure of \widehat{AC} is 120°, the measure of \widehat{DB} is $(2x)^\circ$, and the measure of $\angle AEC$ is $(4x)^\circ$.</p> <div style="text-align: center; margin: 20px 0;">  </div> <p>What is the degree measure of $\angle AED$?</p> <div style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;"> <div style="border-bottom: 1px solid #ccc; height: 25px; margin-bottom: 5px;"></div> <div style="display: flex; align-items: center; border-bottom: 1px solid #ccc; padding-bottom: 5px;"> <div style="display: flex; gap: 5px; margin-right: 10px;"> ← → ↶ ↷ ✖ </div> <div style="flex-grow: 1;"> <table border="1" style="border-collapse: collapse; text-align: center; width: 100px;"> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td></tr> <tr><td>0</td><td>.</td><td>-</td></tr> </table> </div> </div> </div>		1	2	3	4	5	6	7	8	9	0	.	-
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