

Geometry EOC Item Specifications
 Florida Standards Assessments

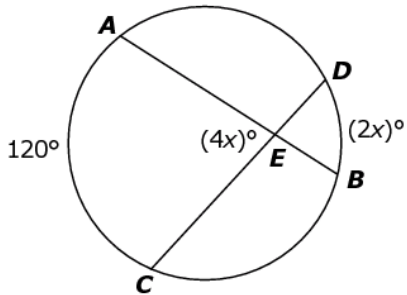
| | |
|--------------------|--|
| MAFS.912.G-C.1.2 | Identify and describe relationships among inscribed angles, radii, and chords. <i>Include the relationship between central, inscribed, and circumscribed angles; inscribed angles on a diameter are right angles; the radius of a circle is perpendicular to the tangent where the radius intersects the circle.</i> |
| Item Types | Equation Editor – May require creating numeric values or expressions. GRID – May require creating circles with specific features. Multiple Choice – May require selecting a value or an expression from a list. Multiselect – May require selecting responses. Open Response – May require describing relationships. |
| 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

Equation Editor

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 $(4x)^\circ$.



What is the degree measure of $\angle AED$?



| | | |
|---|---|---|
| 1 | 2 | 3 |
| 4 | 5 | 6 |
| 7 | 8 | 9 |
| 0 | . | - |