

Geometry EOC Item Specifications
Florida Standards Assessments

MAFS.912.G-SRT.2.5	Use congruence and similarity criteria for triangles to solve problems and to prove relationships in geometric figures.
Item Types	<p>Editing Task Choice – May require choosing a statement in an informal argument or narrative proof.</p> <p>Equation Editor – May require expressing a value or an expression.</p> <p>GRID – May require constructing a proof from a list of given postulates.</p> <p>Hot Text – May require constructing a proof or dragging and dropping steps to prove a relationship in a geometric figure.</p> <p>Multiple Choice – May require selecting from choices.</p> <p>Open Response – May require writing an informal argument or explanation.</p>
Clarifications	<p>Students will use congruence criteria for triangles to solve problems.</p> <p>Students will use congruence criteria for triangles to prove relationships in geometric figures.</p> <p>Students will use similarity criteria for triangles to solve problems.</p> <p>Students will use similarity criteria for triangles to prove relationships in geometric figures.</p>
Assessment Limit	Items may use geometric figures of any shape if the figure can be deconstructed to form a triangle.
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
<p data-bbox="1052 233 1281 264" style="text-align: right;">Editing Task Choice</p> <p data-bbox="196 304 818 331">Gabriel wrote a partial narrative proof to prove $\overline{FD} \cong \overline{BD}$.</p> <p data-bbox="196 371 477 428">Given: \overline{AD} bisects $\angle EAC$ $\angle FDA \cong \angle BDA$</p> <p data-bbox="196 485 375 512">Prove: $\overline{FD} \cong \overline{BD}$</p> <div data-bbox="480 401 805 617" style="text-align: center;"></div> <p data-bbox="196 663 1425 720">There are three highlights in the paragraph to show blanks in the proof. For each highlight, click on the word or phrase to fill in the blank.</p> <p data-bbox="196 753 1404 846">It is given that \overline{AD} bisects $\angle EAC$, and $\angle FDA \cong \angle BDA$. Since \overline{AD} bisects $\angle EAC$, then $\angle DAE \cong \angle DAC$ from the definition of angle bisector. $\overline{AD} \cong \overline{AD}$ by the reflexive property. $\triangle \underline{\quad? \quad} \cong \triangle \underline{\quad? \quad}$ because of $\underline{\quad? \quad}$. Therefore, $\overline{FD} \cong \overline{BD}$ because corresponding parts of congruent triangles are congruent.</p>	