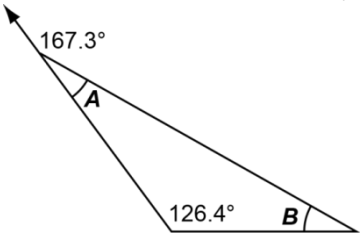
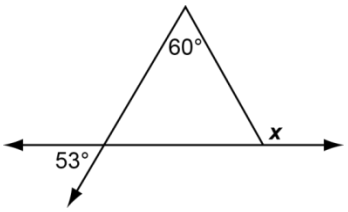
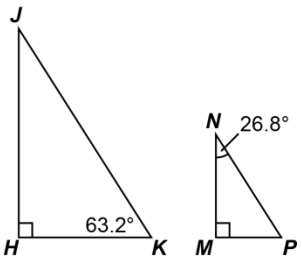
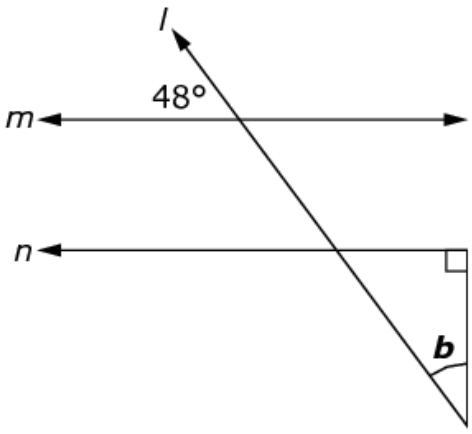
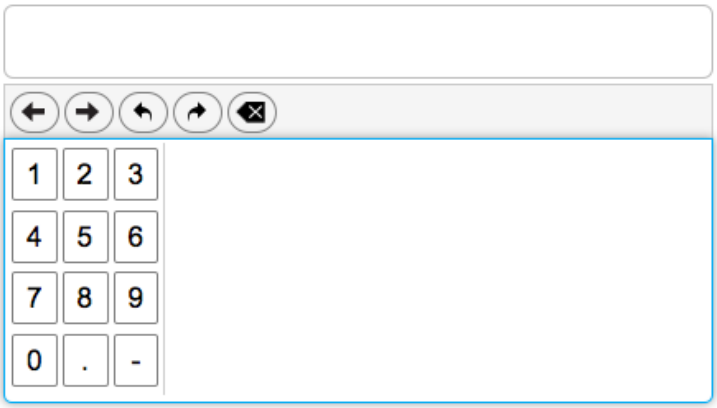
Content Standard	***MAFS.8.G*** *Geometry* ***MAFS.8.G.1*** *Understand congruence and similarity using physical models, transparencies, and geometry software.* ***MAFS.8.G.1.5*** Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angle created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles. *For example, arrange three copies of the same triangle so that the sum of the three angles appears to form a line, and give an argument in terms of transversals why this is so.*
Assessment Limit	Do not include shapes beyond triangles.
Calculator	Neutral
Item Types	Equation Editor GRID Multiple Choice Multiselect Open Response
Context	No Context

Sample Item	Item Type
What is the measure of $\angle A$, in degrees, in the figure shown? 	Equation Editor
What is the measure of $\angle x$, in degrees, in the figure shown? 	Equation Editor
Two similar triangles are shown.  What is the measure of $\angle P$, in degrees?	Equation Editor

Sample Item	Item Type
A figure with parallel lines *m* and *n* is shown.  What is the measure, in degrees, of ∠*b*?  	Equation Editor