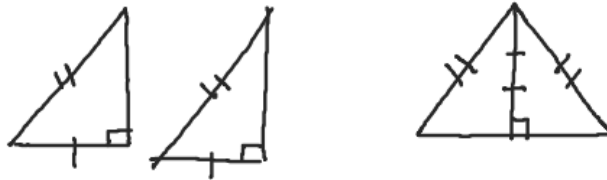


(Right Δ only!)

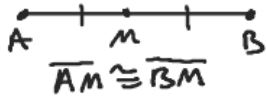
Hypotenuse-Leg (HL)

In Right Δ is Hypotenuse \cong and Corresponding Leg \cong .



Midpoint - Point

that cuts a segment in half.



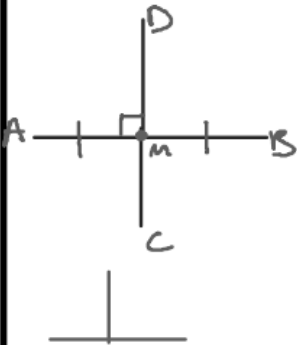
Bisector
Cuts in half

Bisect segments + Angles

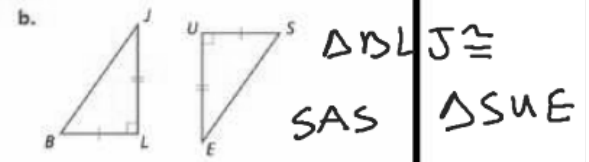
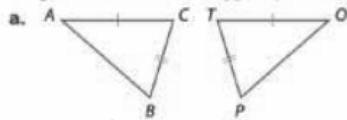
Bisector \rightarrow Point line Segment

Reflexive Property

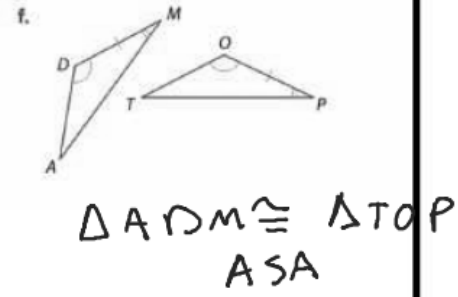
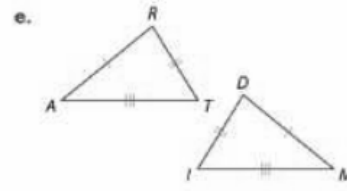
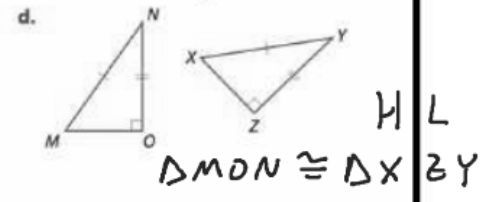
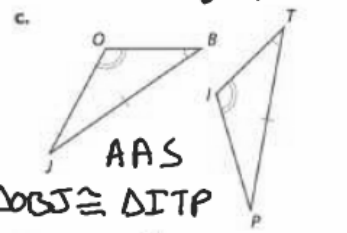
Perpendicular Bisector



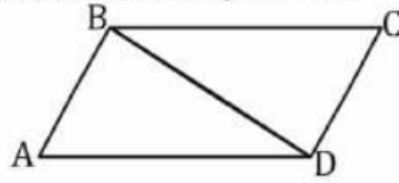
Examine each of the following pairs of triangles and their markings showing congruence of corresponding angles and sides. In each case, decide whether the information given by the markings ensures that the triangles are congruent. If the triangles are congruent, write a congruence relation showing the correspondence between vertices. Cite an appropriate congruence theorem to support your conclusion.



Not enough info

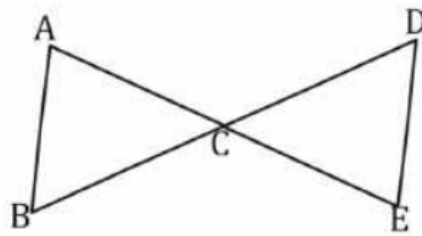


Given: $\overline{AB} \cong \overline{CD}$, $\overline{AD} \cong \overline{CB}$



Prove: $\triangle ABD \cong \triangle BCD$

Given: \overline{AE} Bisects \overline{BD} , $\angle B \cong \angle D$



Prove: $\triangle ABC \cong \triangle DBC$