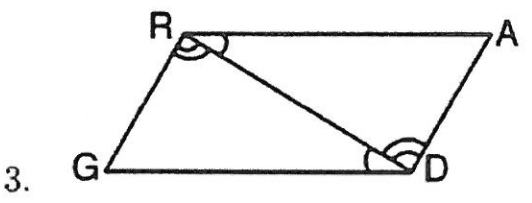
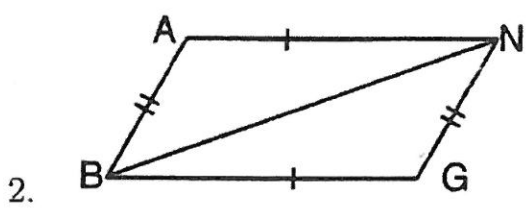
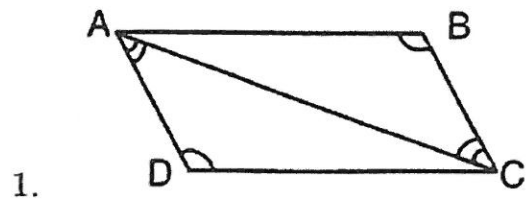


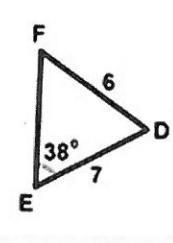
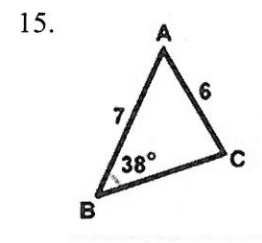
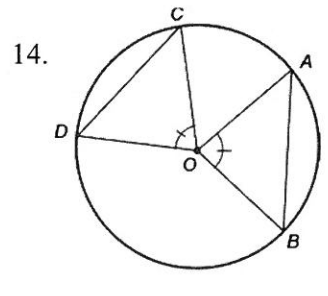
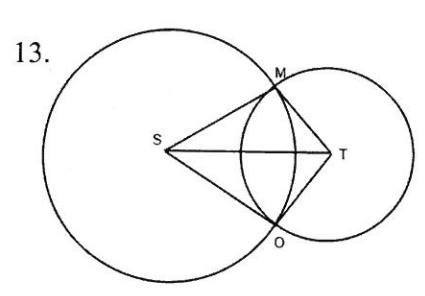
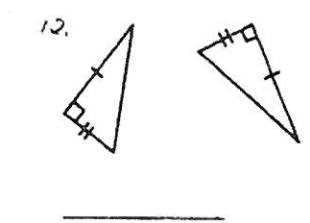
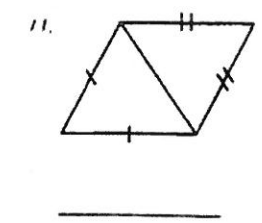
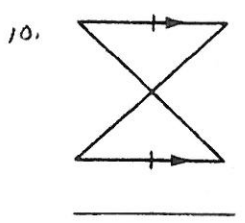
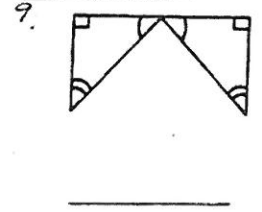
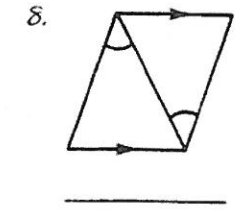
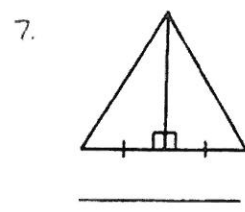
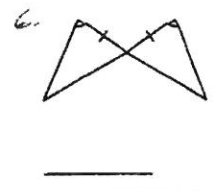
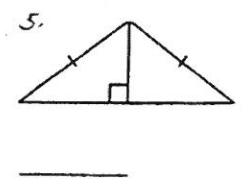
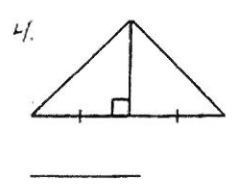
Name: _____

5.3 Triangle Congruence Shortcuts Practice

Study the markings on each of the following figures and write down as many conclusions as you can for can.

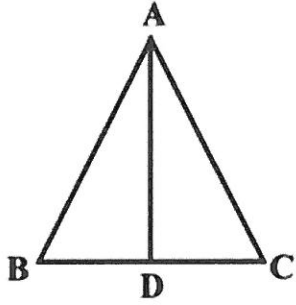


State if the triangles are congruent, and if so, which congruence shortcut proves them to be congruent.



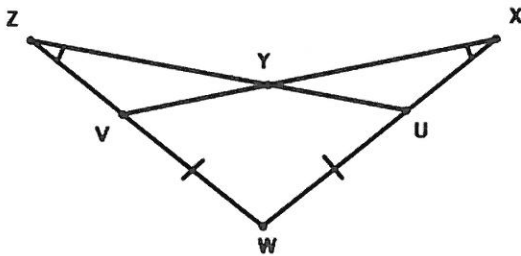
16. Given: Triangle ABC is isosceles with vertex angle A, \overline{AD} bisects $\angle BAC$

Prove: $\triangle BAD \cong \triangle CAD$



17. Given: $\angle Z \cong \angle X$ and $\overline{VW} \cong \overline{WU}$

Prove: $\triangle ZUW \cong \triangle XVW$



18. Given: $\triangle ABD \cong \triangle CBD$, Prove: $\triangle EBA \cong \triangle ECB$

