6.1A Congruent Triangles

Name

Completed: Correct:

/10 Grade:

Period Date_

For questions 1-5, given the Triangle Congruent Postulate draw the corresponding markings. 1. SSS 2. ASA 3. SAS 4. HL 5. AAS











For questions 6-15, determine whether the following triangles can be proven congruent using the given information. If congruency can be proven, **write a congruence statement** and **identify the postulate** used to prove congruency. If not enough information is given, write not possible.



 $\triangle ABC \cong \triangle SBT$, by ASA

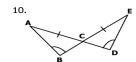


 $\triangle ABC \cong \triangle SBC$, by SAS

 $\triangle ABD \cong \triangle CDB$, by SSS



NOT POSSIBLE



11.



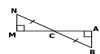
 $\triangle ABC \cong \triangle ADC$, by HL

12.



 $\Delta ABD \cong \Delta CBD,$ by SAS or SSS

13.



 $\triangle ABC \cong \triangle NMC$, by AAS



 $\triangle ABC \cong \triangle ADC$, by SSS

15.

