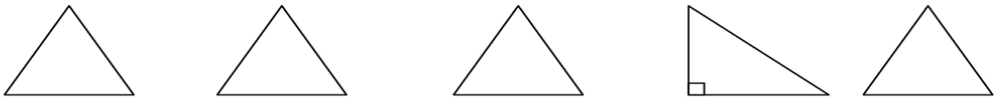
Geometry **6.1A Congruent Triangles** Name _____

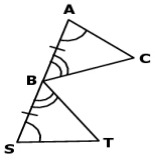
Completed:____ Correct:____ Grade:_____/10 Period____ Date_____

For questions 1-5, given the Triangle Congruent Postulate draw the corresponding markings.

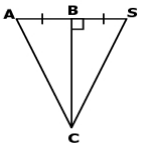
1. SSS 2. ASA 3. SAS 4. HL 5. AAS



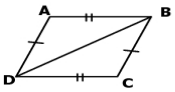
For questions 6-15, determine whether the following triangles can be proven congruent using the given information. If congruency can be proven, **write a congruence statement** and **identify the postulate** used to prove congruency. If not enough information is given, write not possible.

6. 

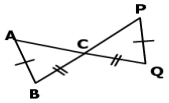
ΔABC ≅ ΔSBT, by ASA

7. 

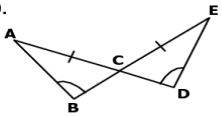
ΔABC ≅ ΔSBC, by SAS

8. 

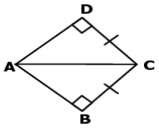
ΔABD ≅ ΔCDB, by SSS

9. 

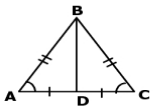
NOT POSSIBLE

10. 

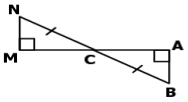
ΔABC ≅ ΔEDC, by AAS

11. 

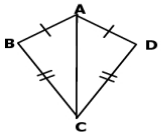
ΔABC ≅ ΔADC, by HL

12. 

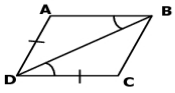
ΔABD ≅ ΔCBD, by SAS or SSS

13. 

ΔABC ≅ ΔNMC, by AAS

14. 

ΔABC ≅ ΔADC, by SSS

15. 

NOT POSSIBLE