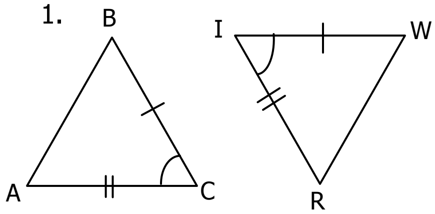
AGS Station 1
Proving Triangles Congruent: ASA, AAS, SAS, SSS

name: ___________________________
date: ____________________________

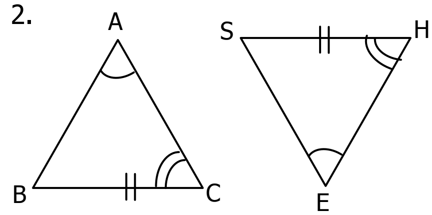
For each problem give the correct naming order of the congruent triangles. Write that name in order on the lines for the problem number (see box at bottom). Also, indicate which postulate or theorem is being used.

1.



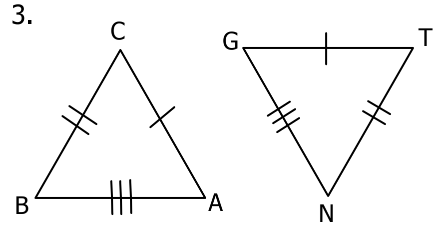
△ABC ≅ △ ________ by __________

2.



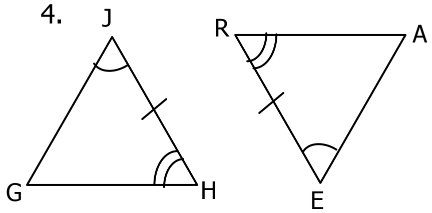
△ABC ≅ △ ________ by __________

3.



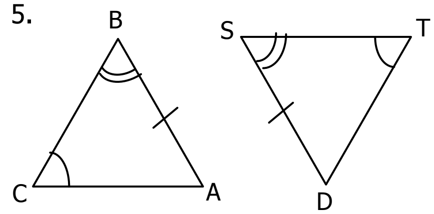
△ABC ≅ △ ________ by __________

4.



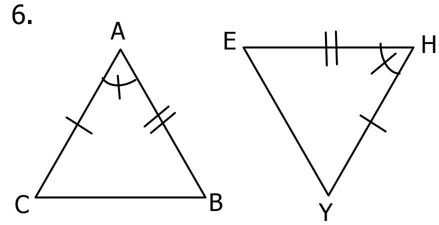
△GHJ ≅ △ ________ by __________

5.



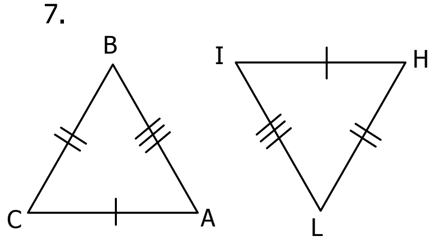
△ABC ≅ △ ________ by __________

6.



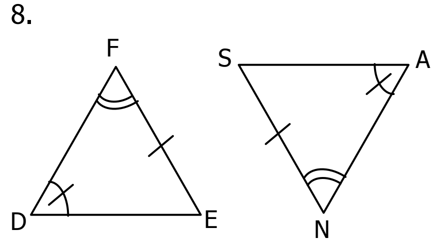
△ABC ≅ △ ________ by __________

7.



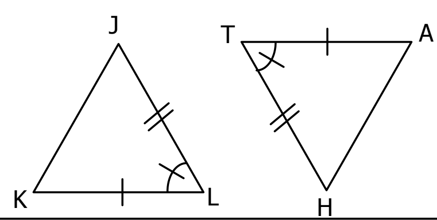
△ABC ≅ △ ________ by __________

8.



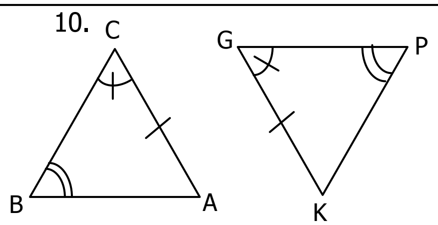
△DEF ≅ △ ________ by __________

9.



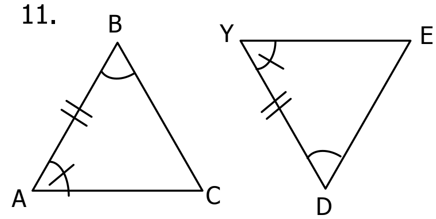
△JKL ≅ △ ________ by __________

10.



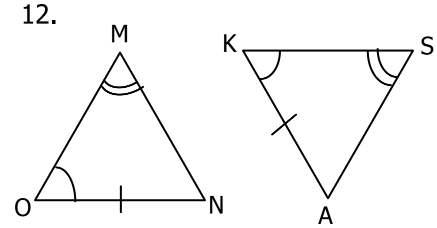
△ABC ≅ △ ________ by __________

11.



△ABC ≅ △ ________ by __________

12.



△MNO ≅ △ ________ by __________

___ ___ ___ ___ ___ _O_ ___ ___ _N_ ___ ___ ___ _S_ ___ ___ _E_ ___ _I_ ___ ___ ___ ___ ___ _T_ ___
4 4 4 8 8 8 12 12 12 2 2 2 5 5 5 9 9 9 6

___ ___ ___ _E_ _E_ ___ ___ ___ _O_ ___ ___ _N_ ___ _U_ ___ ___ ___ ___ _T_ ___ _E_ ___ ___ _I_ ___ .
6 6 10 10 10 1 1 1 3 3 3 7 7 7 11 11 11

(When you are done with the puzzle, there are: 3 SAS, 5 AAS, 2 ASA, and 2 SSS instances.)