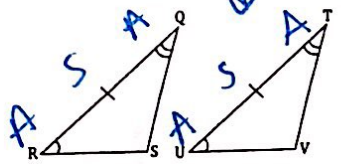
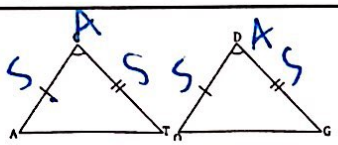
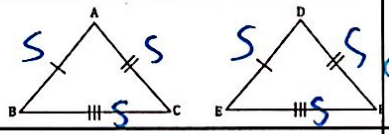
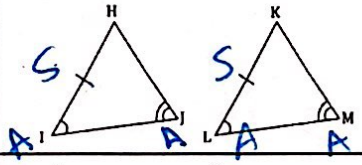
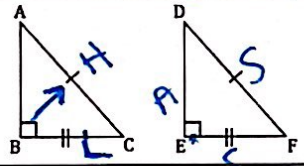
5 ways to prove!

congruency marks!

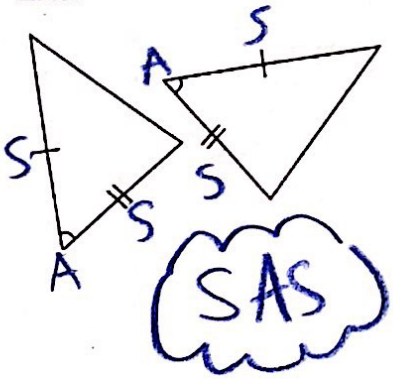
Triangle Congruence

Name:	Picture	Definition
Angle-Side-Angle (ASA)		two angles and the side between them of one triangle are congruent to two angles and the side between them of the other triangle
Side-Angle-Side (SAS)		two sides and the angle between them of one triangle are congruent to two sides and the angle between them of the other triangle
Side-Angle-Side (SSS)		all three sides of one triangle are congruent to all three sides of the other triangle
Angle-Angle-Side (AAS) (SAA)		two angles and a side not between them of one triangle are congruent to two angles and a side not between them of the other triangle
Hypotenuse-Leg (HL)		the hypotenuse and a leg of one right triangle are congruent to the hypotenuse and a leg of the other right triangle

The Donkey Theorem:
You can't travel (AAA) by Donkey (SSA) to triangle congruence!

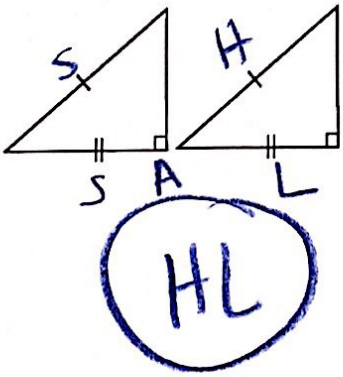
No Roadside Assistance!

EX5.

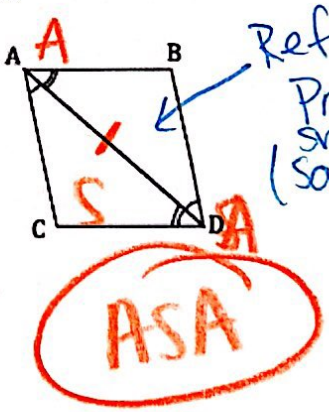


EX6.

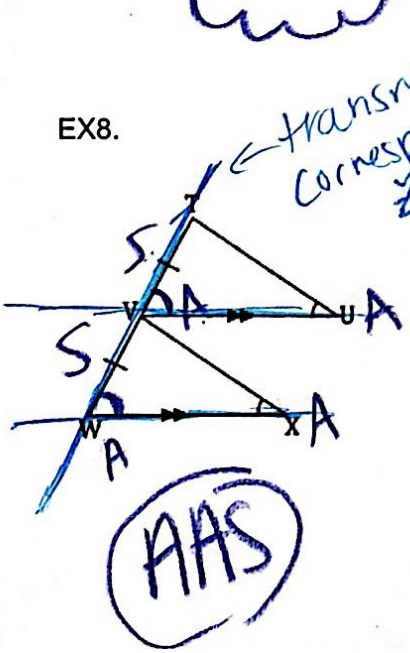
Any time you see Donkey → it may HL



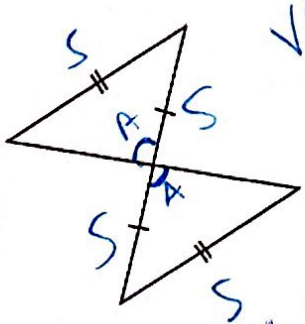
EX7.



EX8.



EX9.



EX10.