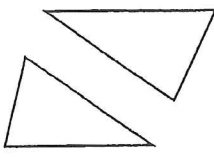
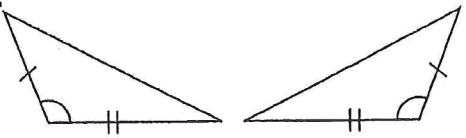


Ways to Prove Triangles Congruent

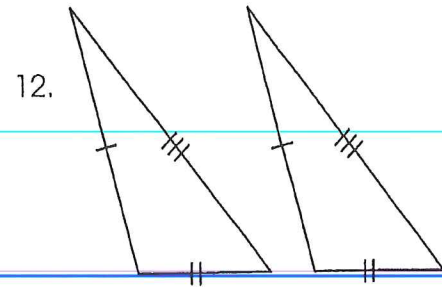
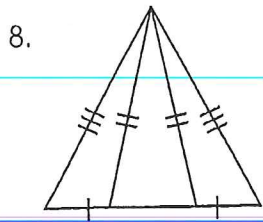
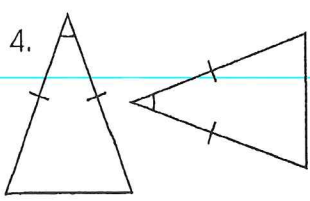
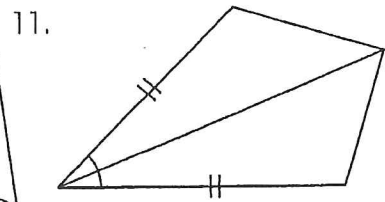
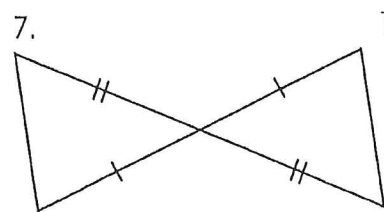
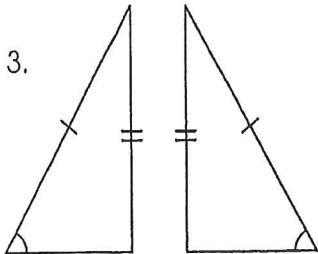
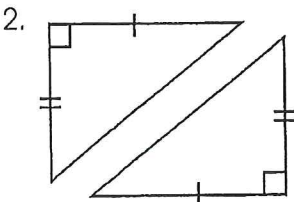
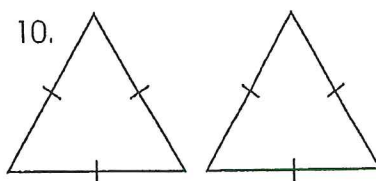
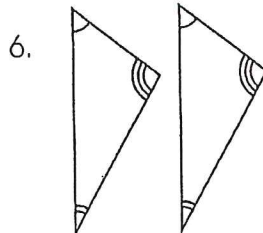
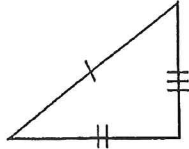
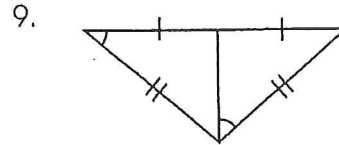
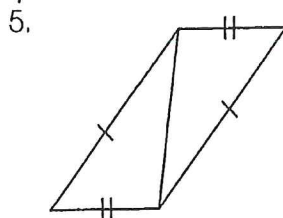
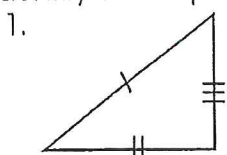


SSS (side, side, side) = three sides of one triangle congruent to the corresponding parts of another triangle $\cong \Delta s$.

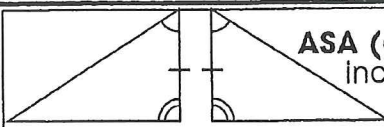
SAS (side, angle, side) = two sides and the included angle of one triangle congruent to the corresponding parts of another triangle $\cong \Delta s$.



Identify which property will prove these triangles congruent (SSS, SAS, or none).

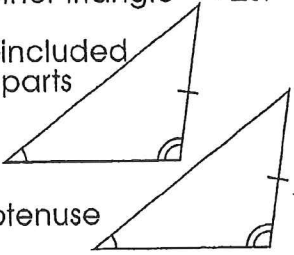


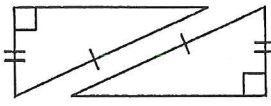
More Ways to Prove Triangles Congruent



ASA (angle, side, angle) = two angles and the included side of one triangle congruent to the corresponding parts of another triangle $\cong \Delta s$.

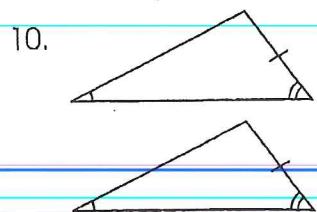
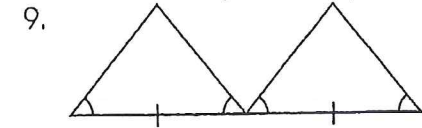
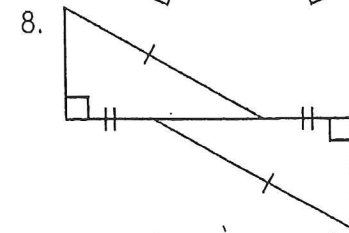
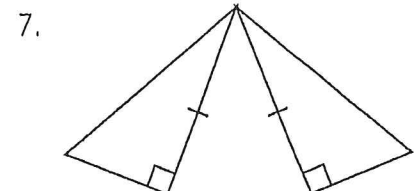
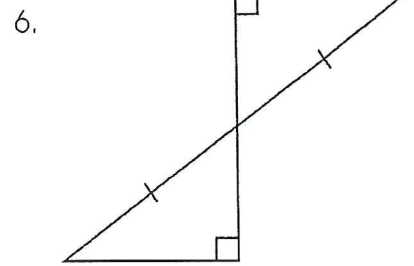
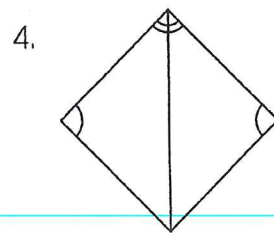
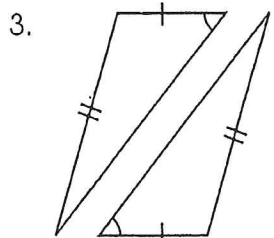
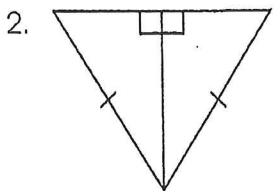
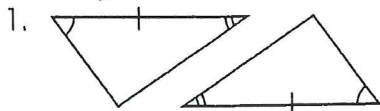
AAS (angle, angle, side) = two angles and the non-included side of one triangle congruent to the corresponding parts of another triangle $\cong \Delta s$.



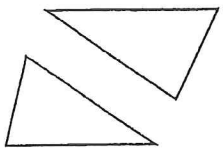


HL (hypotenuse, leg) = the hypotenuse and a leg of one right triangle congruent to the corresponding parts of another triangle $\cong \Delta s$.

Identify which property will prove these triangles congruent (ASA, AAS, HL or none).

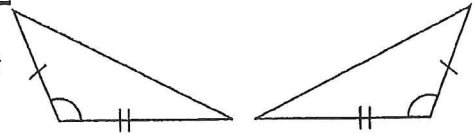


Ways to Prove Triangles Congruent

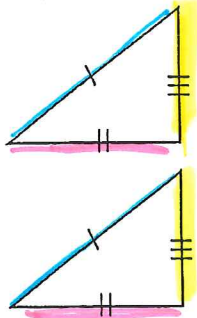


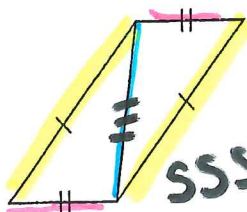
SSS (side, side, side) = three sides of one triangle congruent to the corresponding parts of another triangle $\cong \Delta s$.

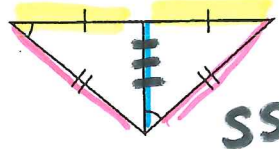
SAS (side, angle, side) = two sides and the included angle of one triangle congruent to the corresponding parts of another triangle $\cong \Delta s$.

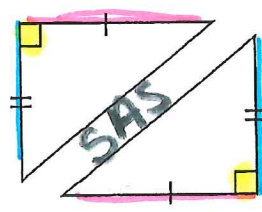


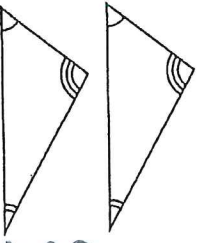
Identify which property will prove these triangles congruent (SSS, SAS, or none).

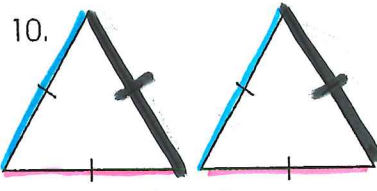
1.  **SSS**

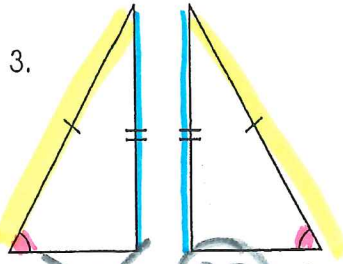

5.  **SSS**

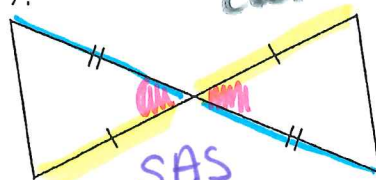
9.  **SSS**

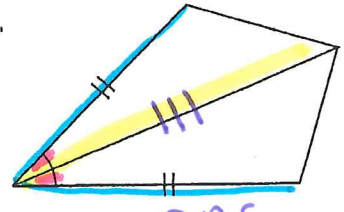
2.  **SAS**

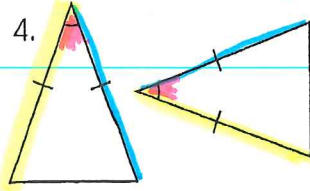
6.  **None
AAA is not a short-cut**

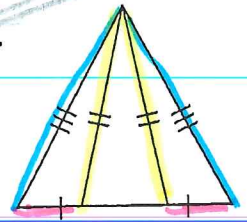
10.  **SSS**

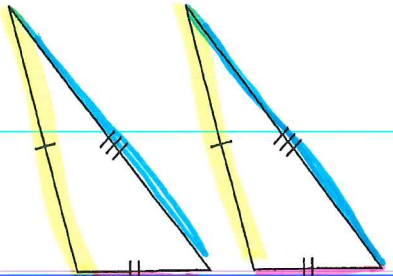
3.  ~~**ASS**~~  **no swearing in math**

7.  **SAS**

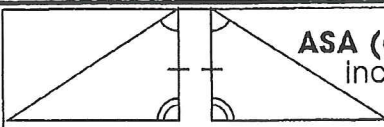
11.  **SAS**

4.  **SAS**

8.  **SSS**

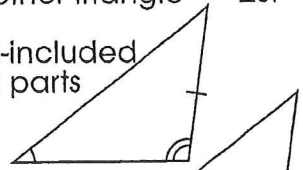
12.  **SSS**

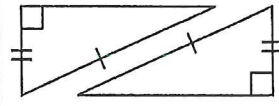
More Ways to Prove Triangles Congruent



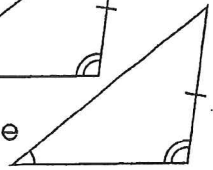
ASA (angle, side, angle) = two angles and the included side of one triangle congruent to the corresponding parts of another triangle $\cong \Delta s$.

AAS (angle, angle, side) = two angles and the non-included side of one triangle congruent to the corresponding parts of another triangle $\cong \Delta s$.





HL (hypotenuse, leg) = the hypotenuse and a leg of one right triangle congruent to the corresponding parts of another triangle $\cong \Delta s$.



Identify which property will prove these triangles congruent (ASA, AAS, HL or none).

