

Lesson 4-2

1. In △VGB, which sides include ∠B? Ty GB



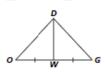
Which triangles can you prove congruent? Tell whether you would use the SSS or SAS Postulate.



ZABP = AXYI

SAS

What other information do you need to prove $\triangle DWO \cong \triangle DWG$?





5. Can you prove $\triangle SED \cong \triangle BUT$ from the information given? Explain.



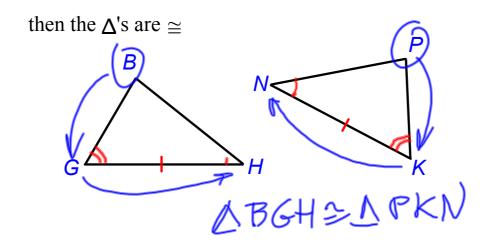
NO, ASS Track between Silve

List the methods we can now use to prove 2Δ 's \cong .

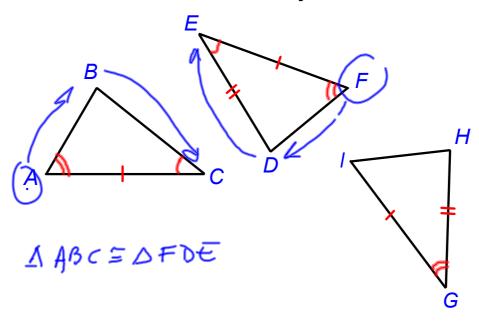
555



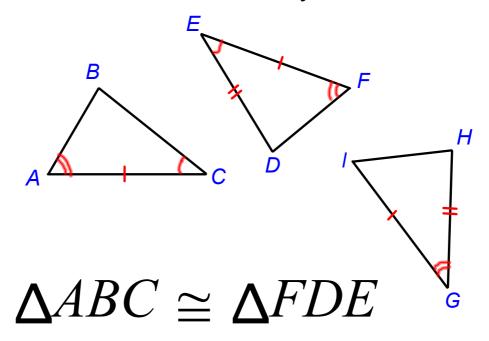
If 2 \angle 's & incl side of one \triangle are \cong to 2 \angle 's & incl side of 2nd \triangle

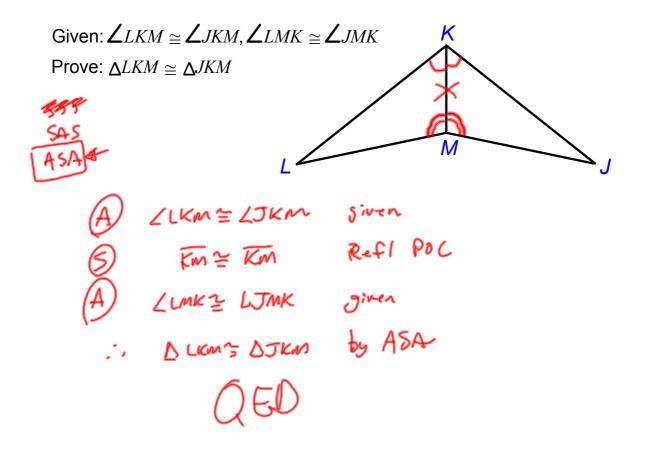


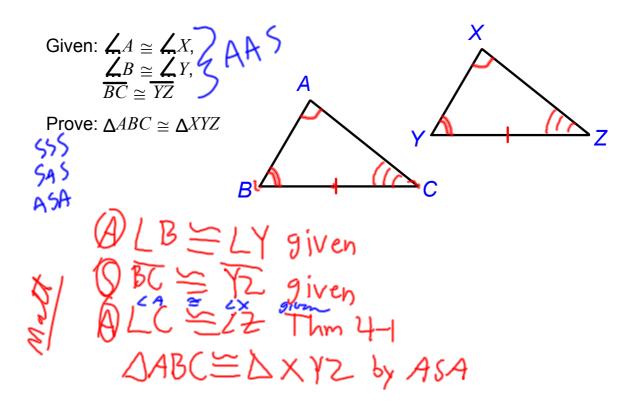
Name the 2 Δ 's that are \cong by ASA.



Name the 2 Δ 's that are \cong by ASA.







Thm 4-2 AAS Theorem

If 2 \angle 's & non-incl side of one \triangle are \cong to 2 \angle 's & non-incl side of 2nd \triangle

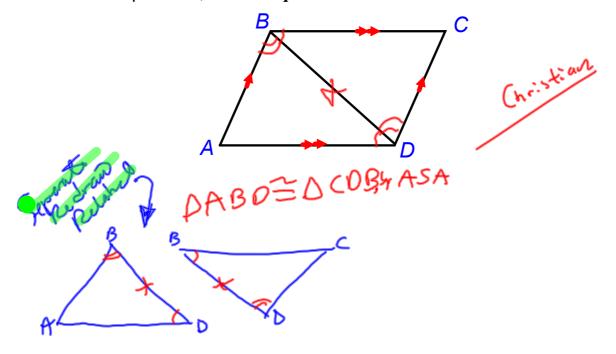
then the Δ 's are \cong

List the methods we can now use to prove $2 \Delta's \cong$.



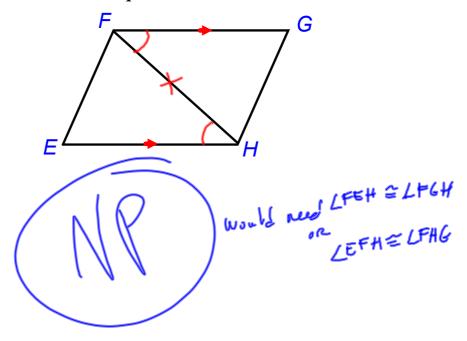
Tell whether AAS or ASA can be used directly to prove the Δ 's \cong .

If possible, write the congruence statement. If not possible, write *not possible*.



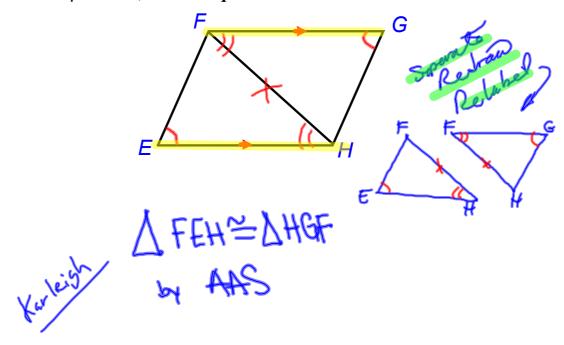
Tell whether AAS or ASA can be used directly to prove the Δ 's \cong .

If possible, write the congruence statement. If not possible, write *not possible*.

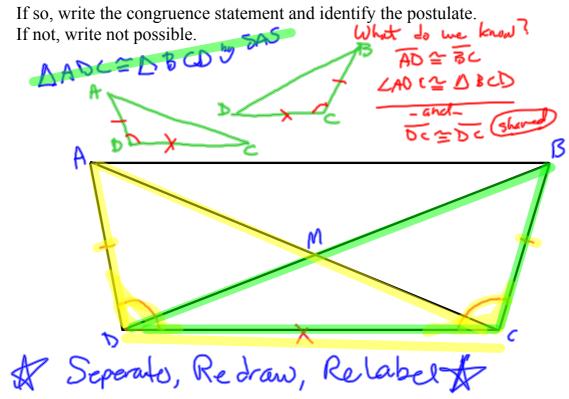


Tell whether AAS or ASA can be used directly to prove the Δ 's \cong .

If possible, write the congruence statement. If not possible, write *not possible*.



Are the Δ 's \cong ?



L4-3 HW Problems

Pg 197 #1-25 odd, 29, 31, 33, 42-45

Pg 201 #1-10