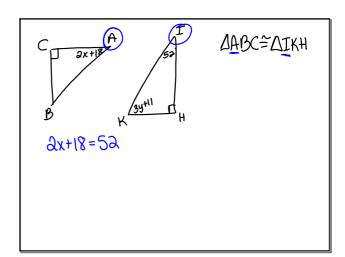
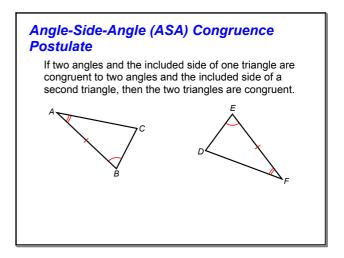
Congruent Triangles (part 3)



titles Nov 2-8:30 AM

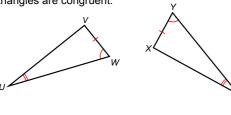
Included side vs. Non-included side Included side—side connecting the vertices of two angles A A included side Included side

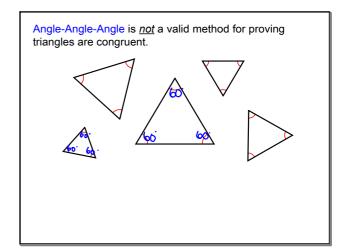


included sides ASA

Angle-Angle-Side (AAS) Congruence Theorem

If two angles and a non-included side of one triangle are congruent to two angles and the corresponding non-included side of a second triangle, then the two triangles are congruent.

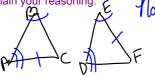




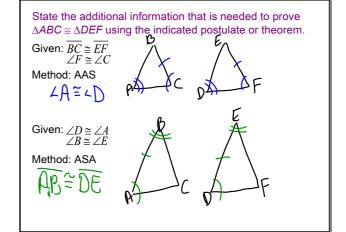
AAS no AAA

Use the given information to determine whether or not $\triangle ABC \cong \triangle DEF$. Explain your reasoning.

Given: $\angle E \cong \angle B$ $\underline{\angle A} \cong \underline{\angle D}$ $\overline{FE} \cong \overline{CA}$



Given: $\angle D \cong \angle A$ $\angle B \cong \angle E$ $\angle F \cong \angle C$



examples examples

Conclusion

1. What ways can you prove triangles congruent?

congruent? SSS,SAS,HL,ASA,AAS

- 2. Are all triangles congruent?
- 3. Does order matter in writing the letters when proving triangles congruent?

Yer

Nov 2-8:21 AM