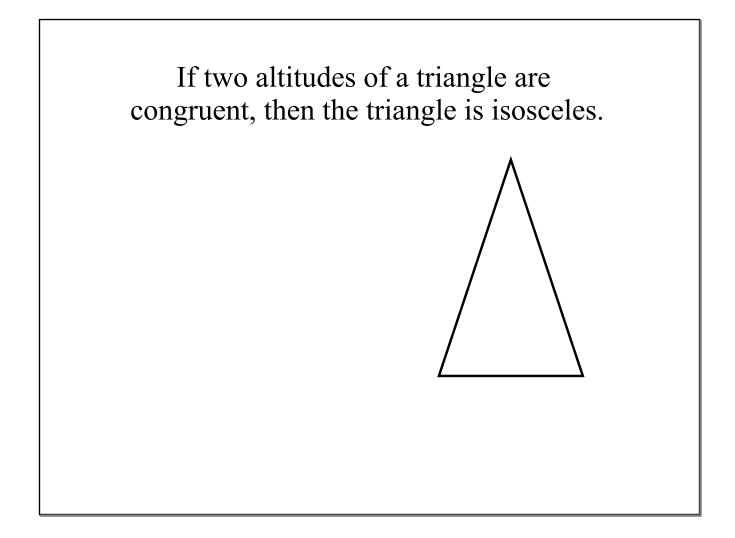
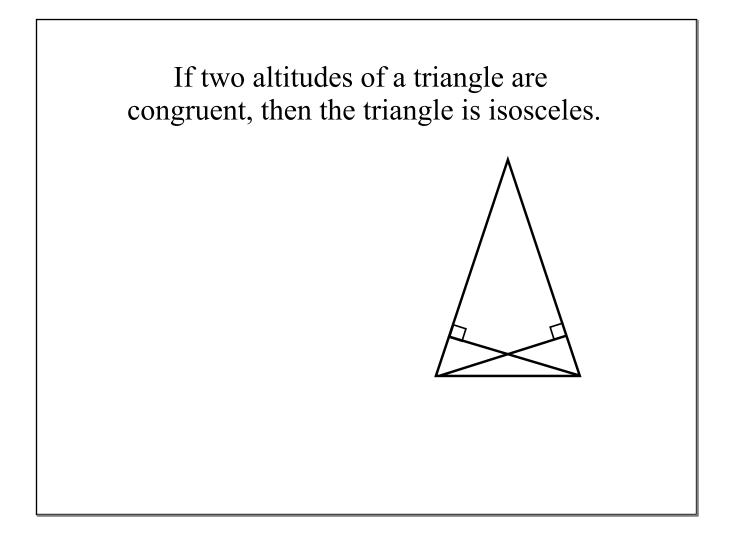
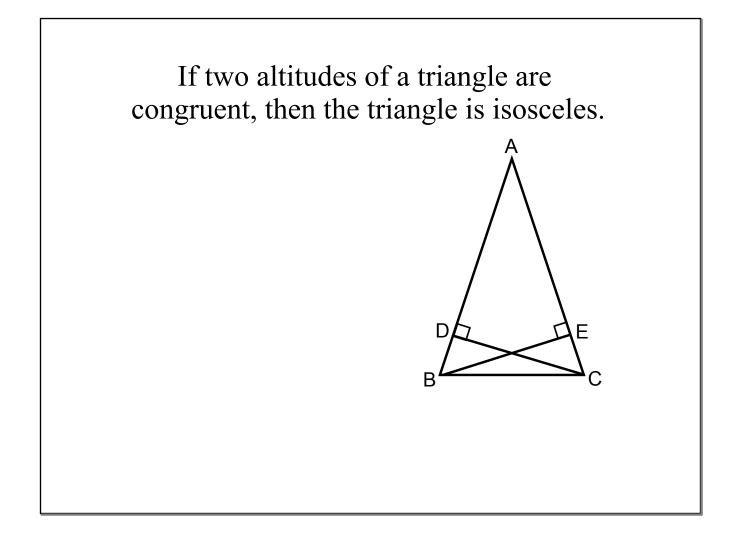
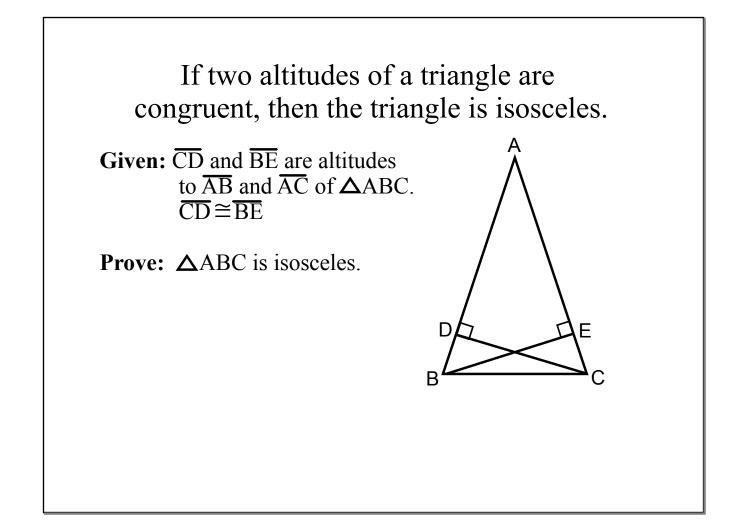
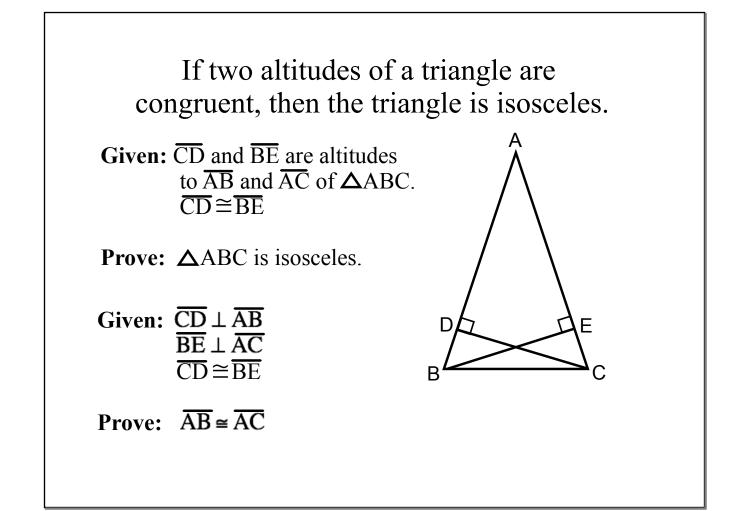
If two altitudes of a triangle are congruent, then the triangle is isosceles.



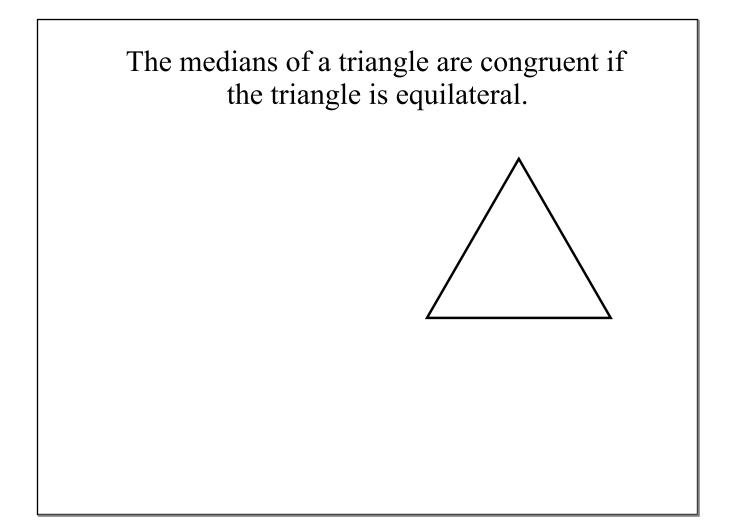


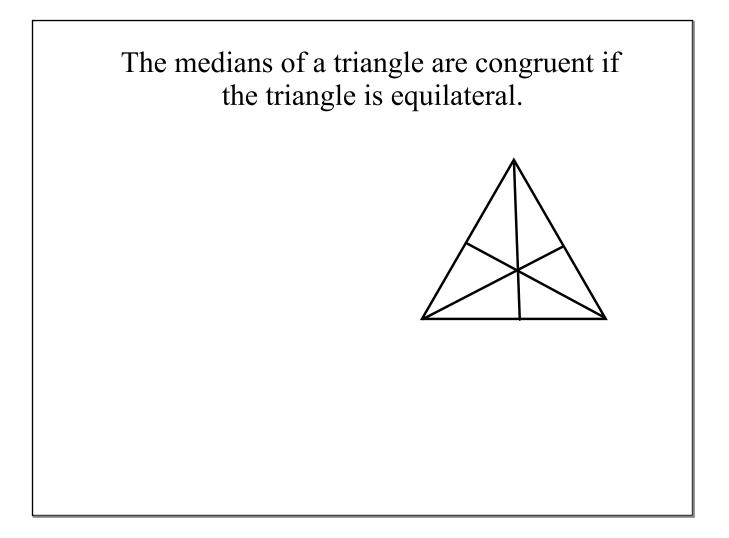


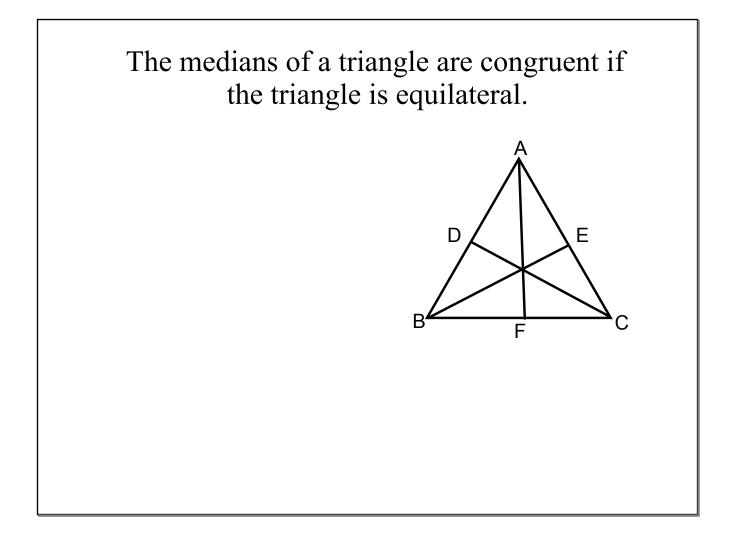


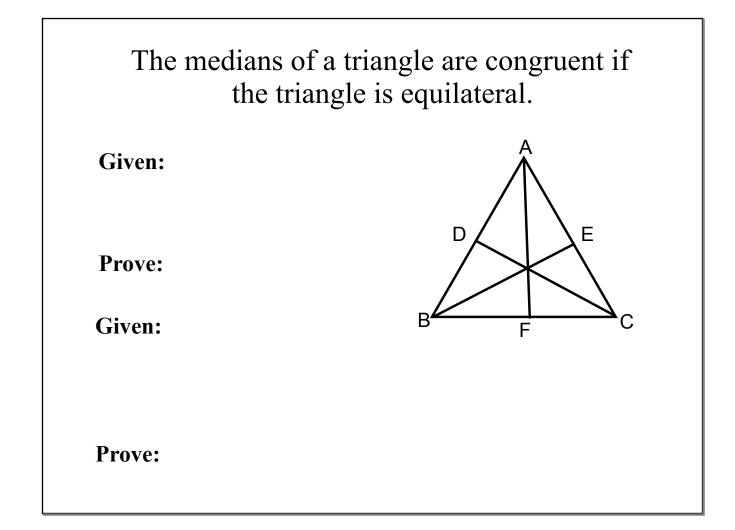


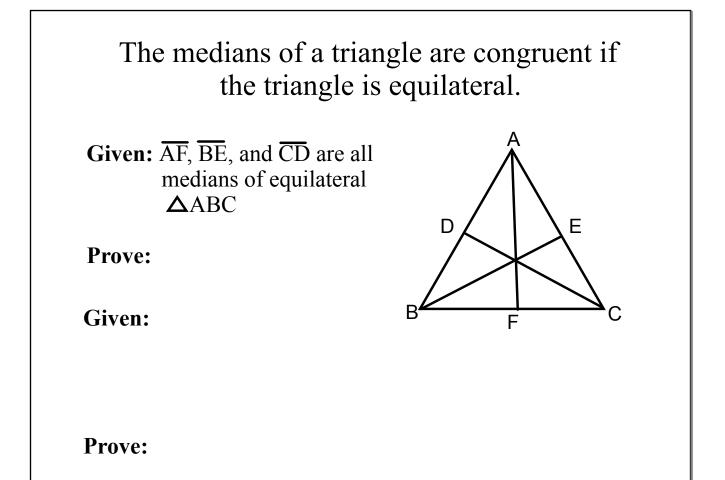
The medians of a triangle are congruent if the triangle is equilateral.

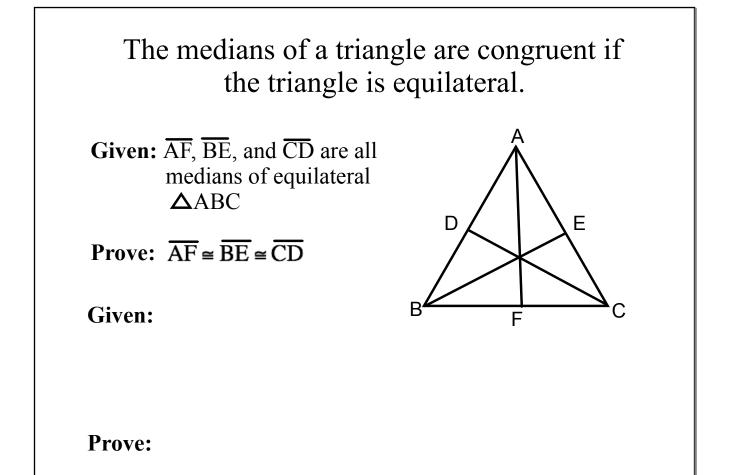


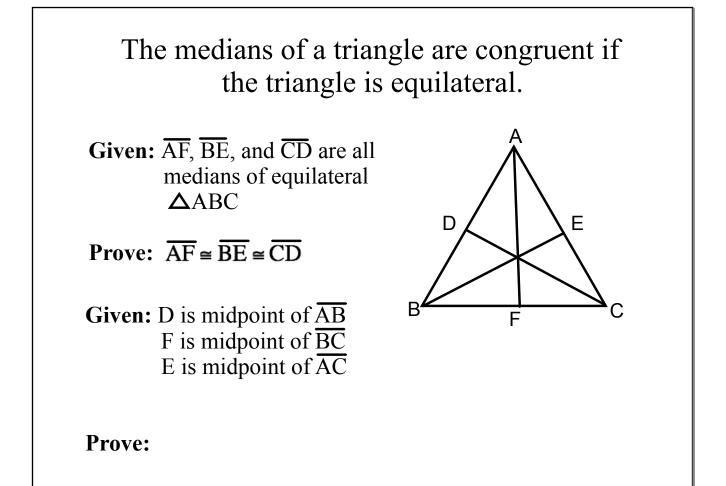


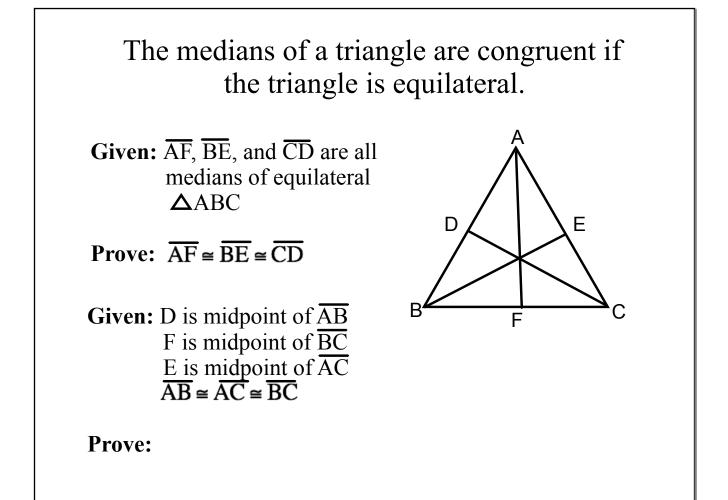


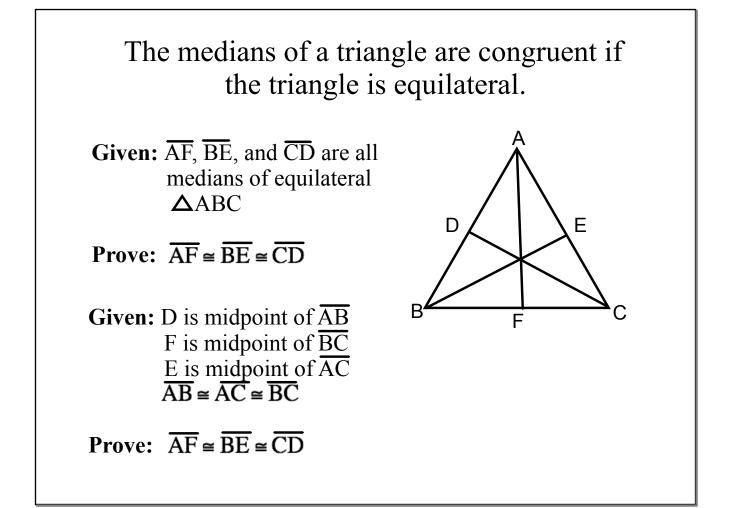


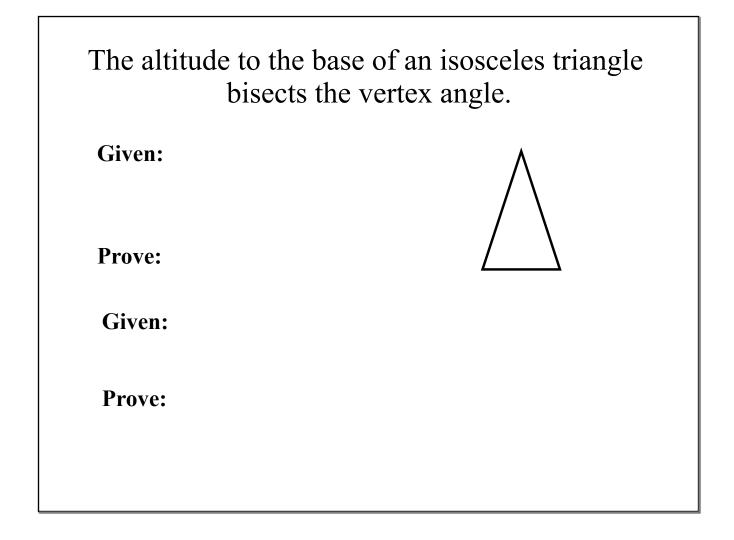


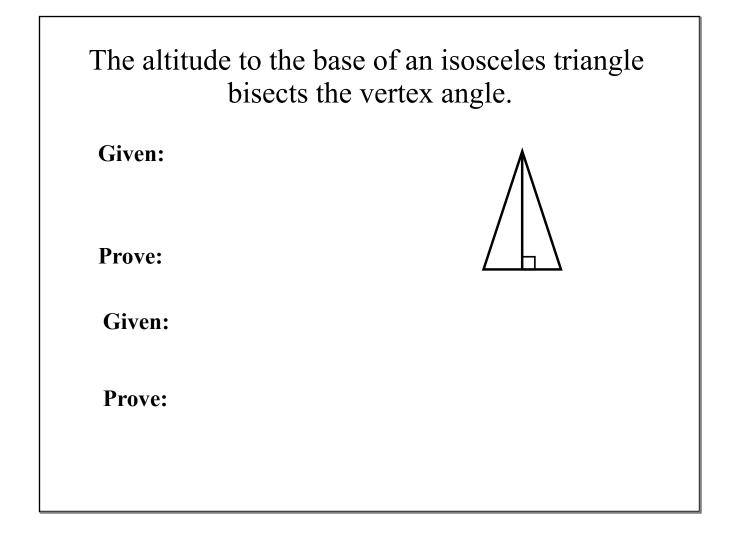


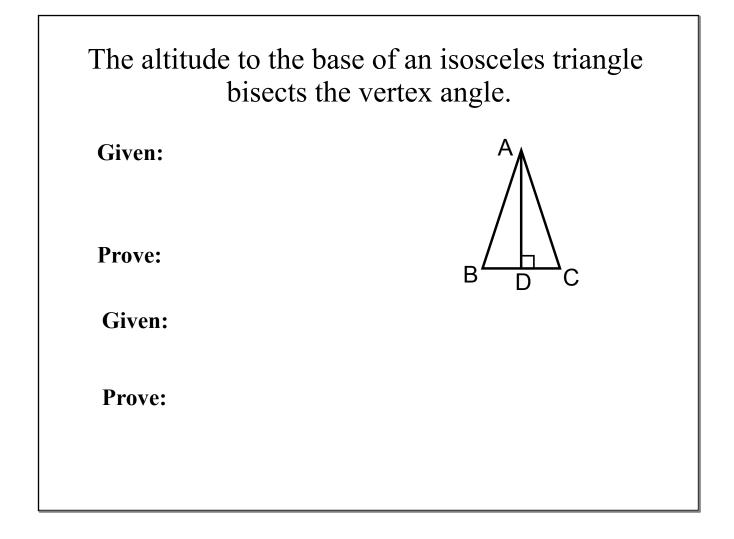






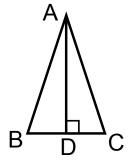






Given: Isosceles $\triangle ABC$ with vertex $\angle BAC$ and altitude \overline{AD} to side \overline{BC}

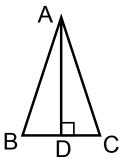
Prove:



Given:

Given: Isosceles $\triangle ABC$ with vertex $\angle BAC$ and altitude \overline{AD} to side \overline{BC}

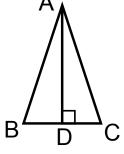
Prove: AD bisects ∠BAC



Given:

Given: Isosceles △ABC with vertex ∠BAC and altitude AD to side BC

Prove: AD bisects ∠BAC

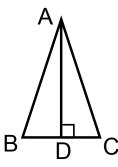


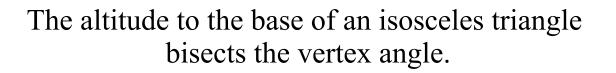
Given: $\overline{AB} \cong \overline{AC}$

Given: Isosceles △ABC with vertex ∠BAC and altitude AD to side BC

Prove: AD bisects ∠BAC

Given: $\overline{AB} \cong \overline{AC}$ $\overline{AD} \perp \overline{BC}$



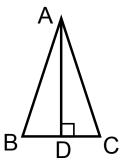


Given: Isosceles △ABC with vertex ∠BAC and altitude AD to side BC

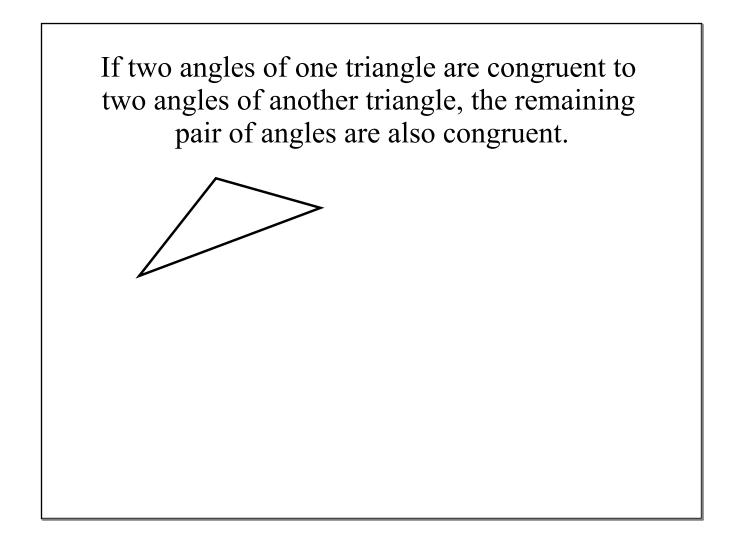
Prove: AD bisects ∠BAC

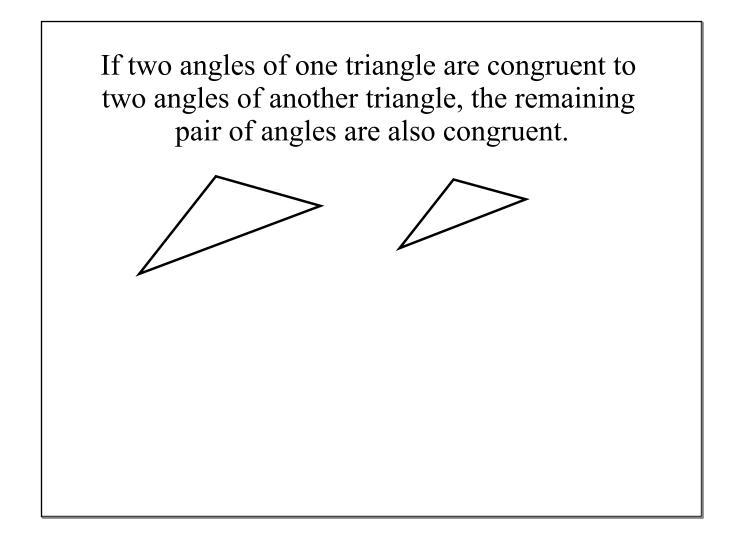
Given: $\overline{AB} \cong \overline{AC}$ $\overline{AD} \perp \overline{BC}$

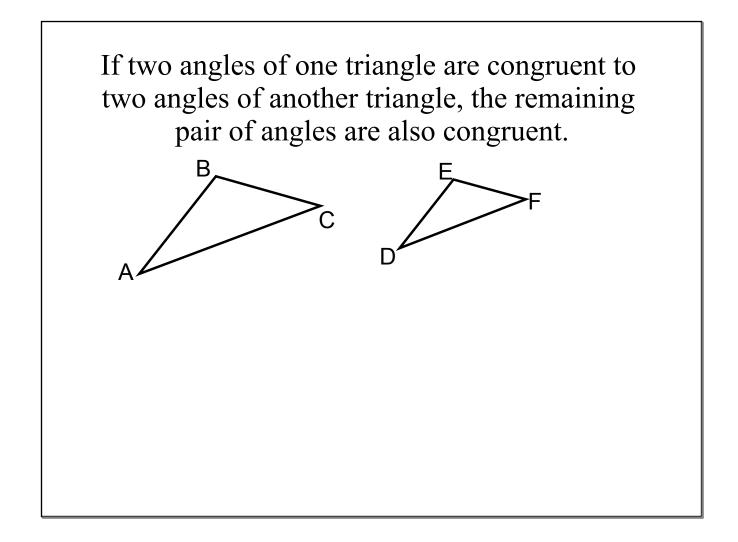
Prove: $\angle BAD \cong \angle CAD$

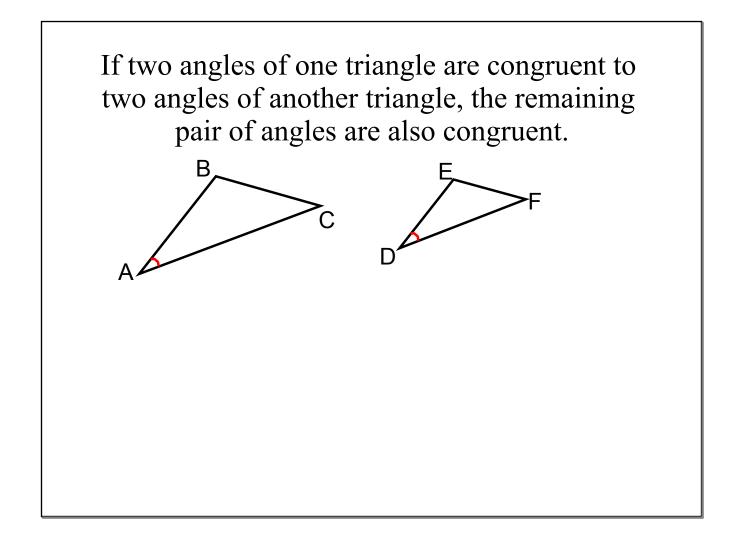


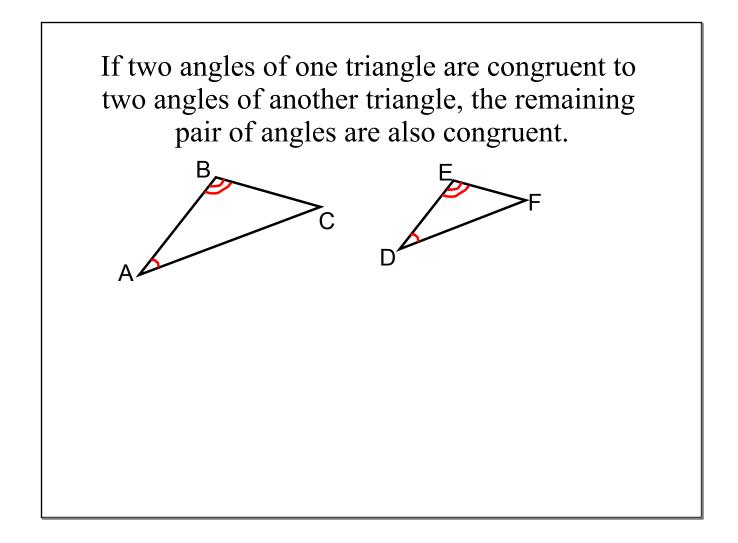
If two angles of one triangle are congruent to two angles of another triangle, the remaining pair of angles are also congruent.

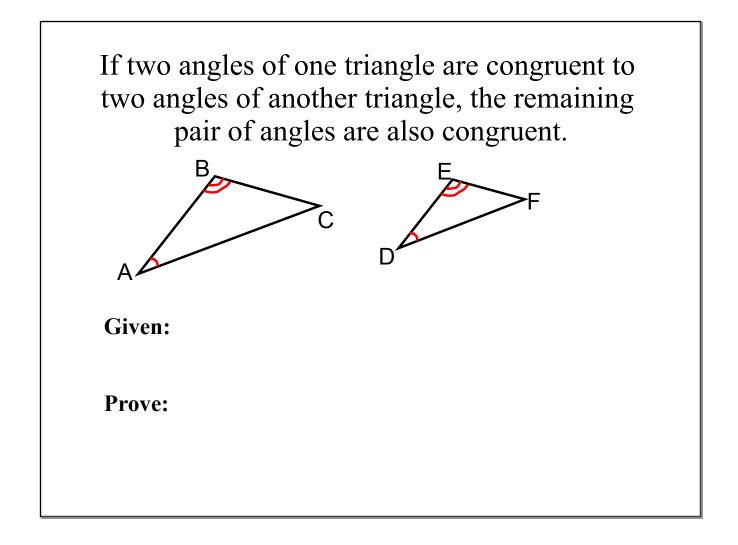


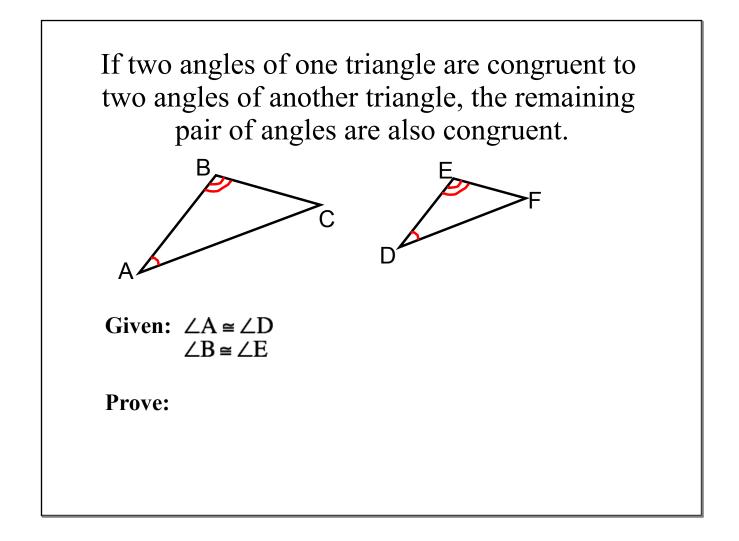


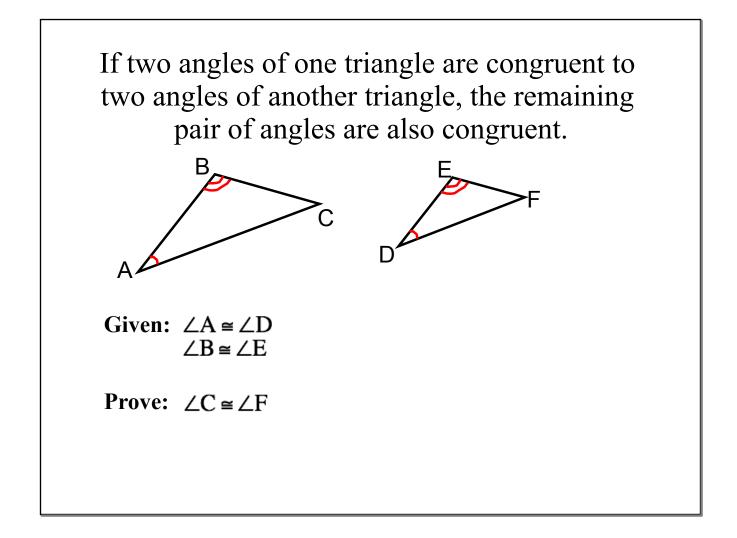












In this lesson we drew diagrams for problems presented with words.