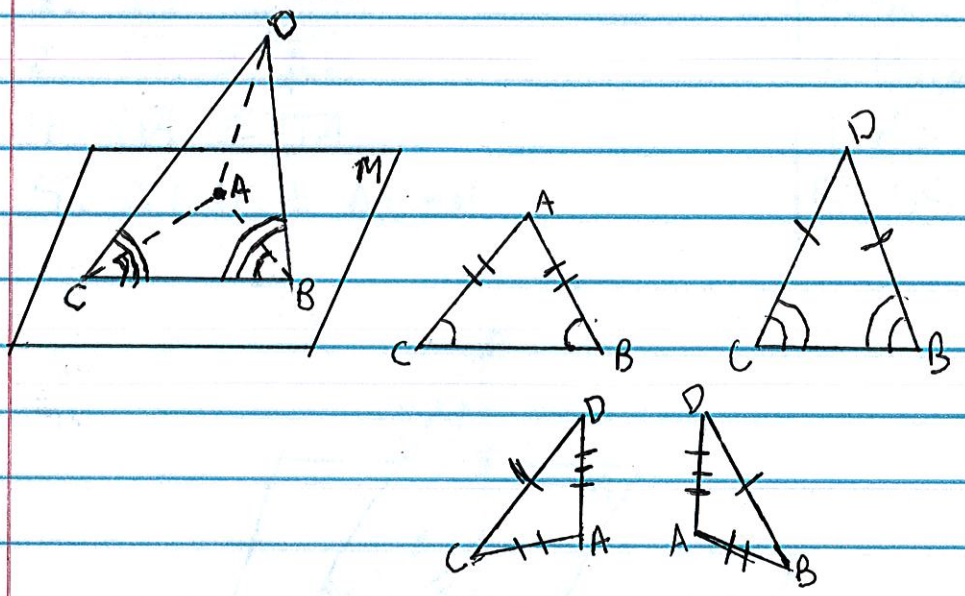
Savannah Pentz Proof #23

Given: $\triangle ABC$ in plane M; D not in plane M;
$\angle ABC \cong \angle ACB$; $\angle DBC \cong \angle DCB$

Prove: $\triangle DAC \cong \triangle DAB$



1. $\triangle ABC$ in plane M; D not in plane M; $\angle ABC \cong \angle ACB$; $\angle DBC \cong \angle DCB$	1. Given
2. $\overline{DC} \cong \overline{DB}$	2. Base $\angle$'s Thm Converse
3. $\overline{AC} \cong \overline{AB}$	3. Base $\angle$'s Thm Converse
4. $\overline{DA} \cong \overline{DA}$	4. Reflexive
5. $\triangle DAC \cong \triangle DAB$	5. SSS cong