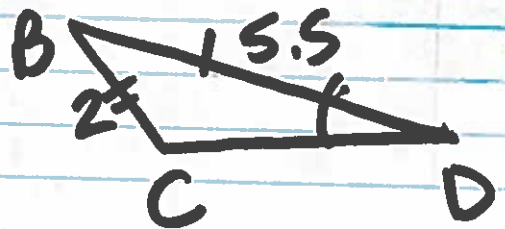
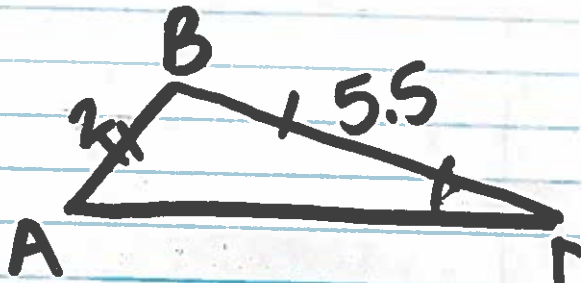
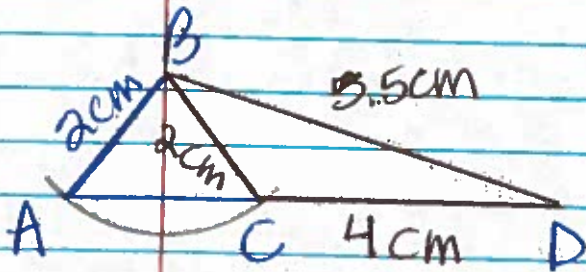


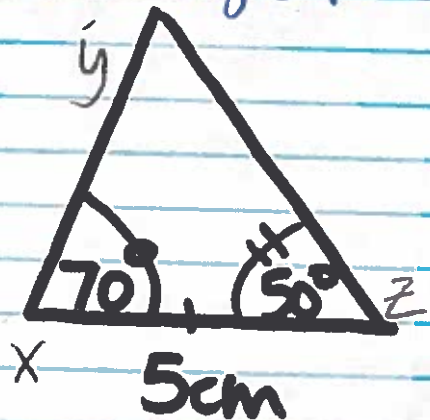
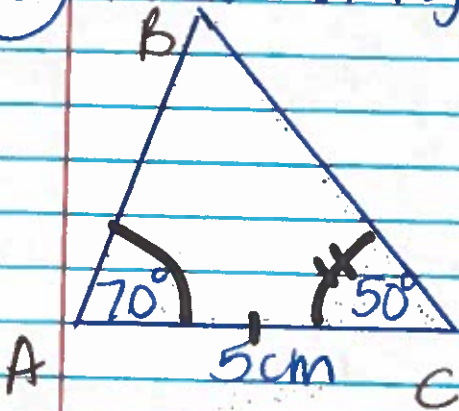
4-3 More  $\triangle \cong$  Shortcuts

SSA  
ASS



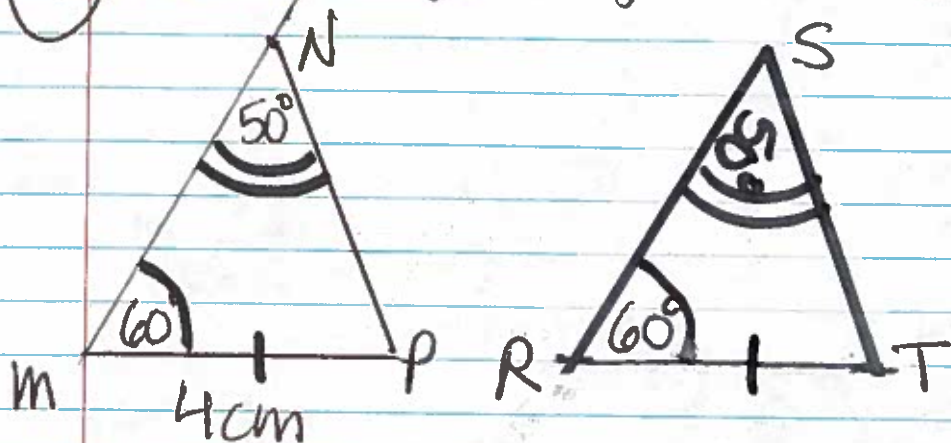
2 That do NOT prove 2  $\triangle$ 's  $\cong$  are  
1. AAA  
2. SSA

③ ASA (Angle-Side-Angle Postulate)



\* 2  $\angle$ 's and the side between them  
 $\triangle ABC \cong \triangle XYZ$  by ASA

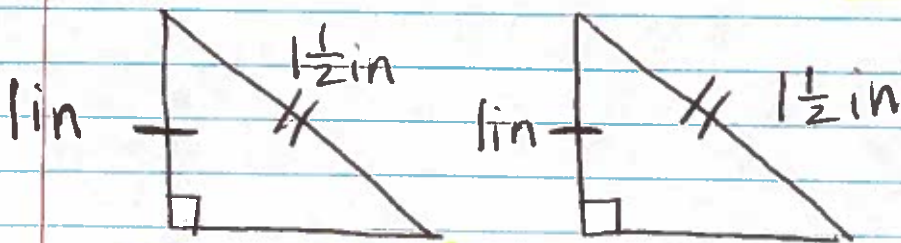
④ **AAS** (Angle-Angle-Side Postulate)



\* 2 angles and the side NOT bet  
 $\triangle MNP \cong \triangle RST$  by AAS

⑤ **HL** (Hypotenuse-Leg Thm)

but this only works for Right  $\triangle$ 's



Short-cuts to Prove  $\triangle$ 's  $\cong$  are  
SSS, SAS, ASA, AAS, HL  
or SAA

\* AAA and SSA DO NOT WORK