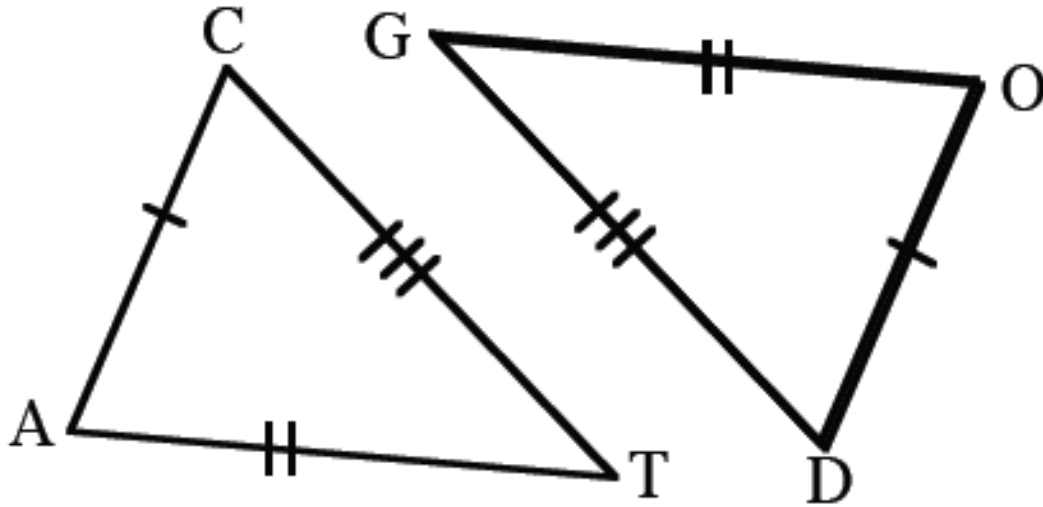


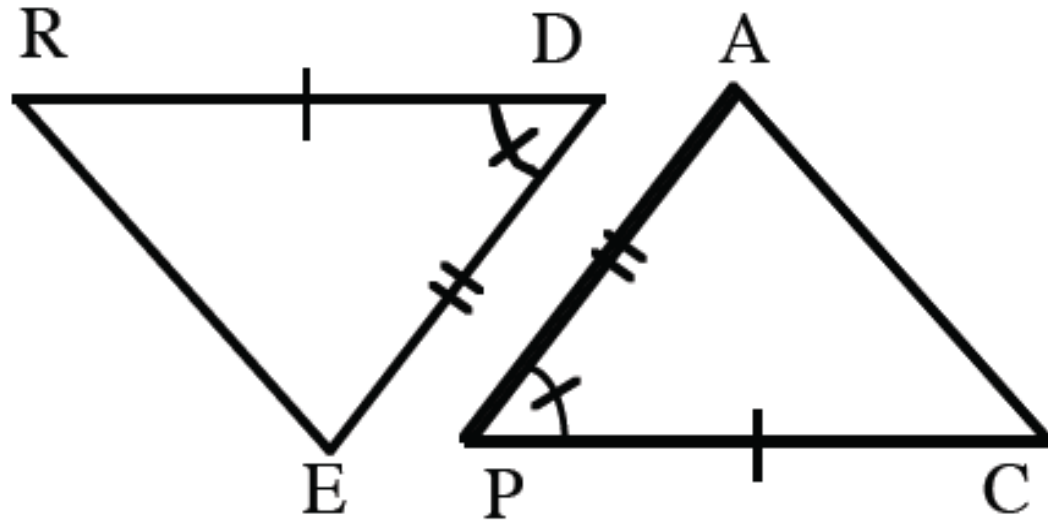
Proving Triangles are Congruent!!

● ● ● | Ex. 1



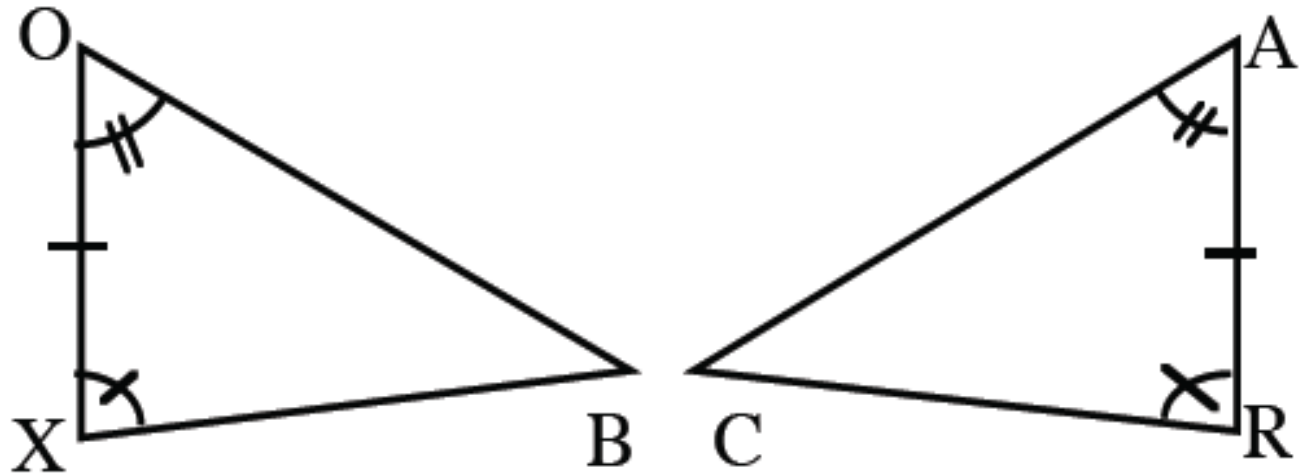
$\triangle CAT \cong \triangle DOG$
by SSS

● ● ● | Ex 2



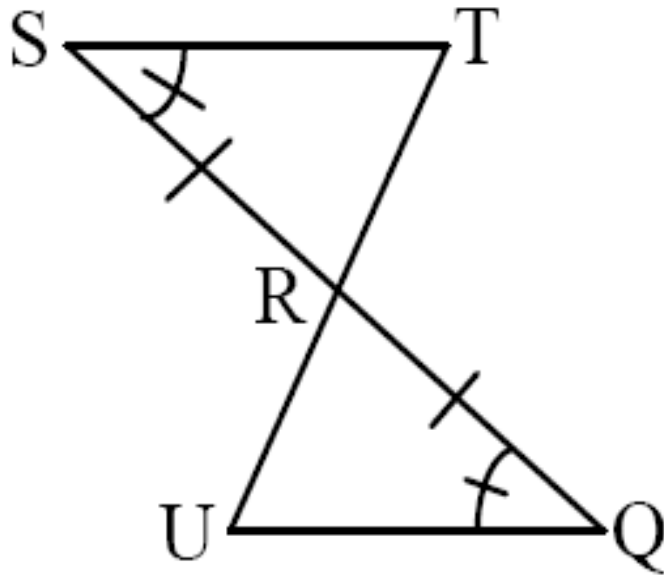
$\triangle RED \cong \triangle CAP$
by SAS

● ● ● | Ex 3



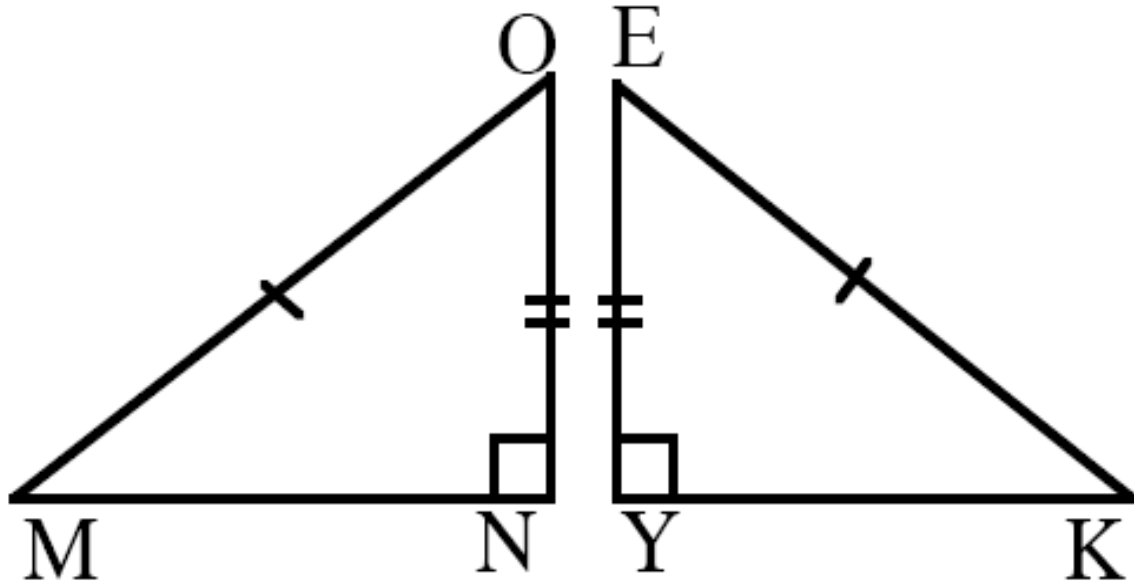
$\triangle BOX \cong \triangle CAR$
by ASA

● ● ● | Ex 4



$\triangle STR \cong \triangle QUR$
by ASA

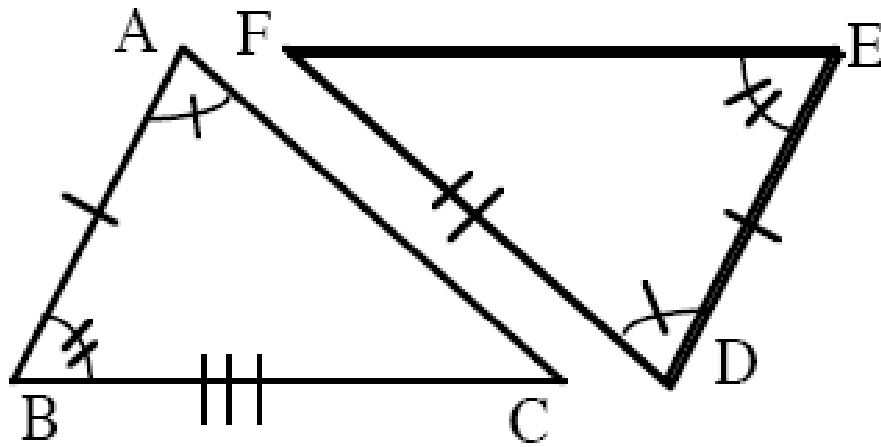
● ● ● | Ex 5



$\triangle MON \cong \triangle KEY$

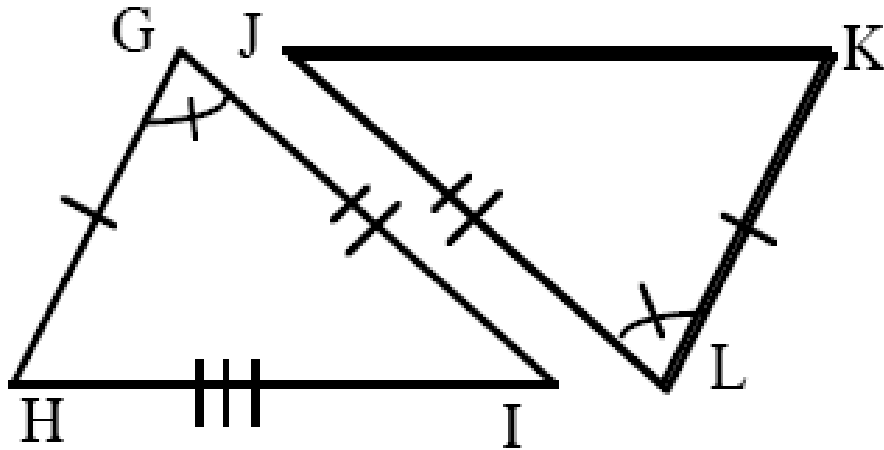
by HL

● ● ● | Ex 6



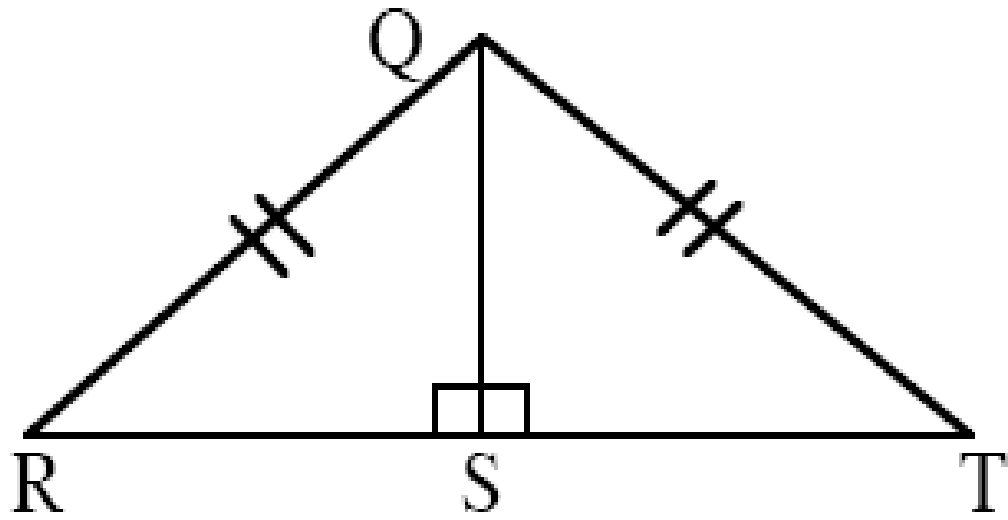
$\triangle ABC \cong \triangle DEF$
by ASA

● ● ● | Ex 7



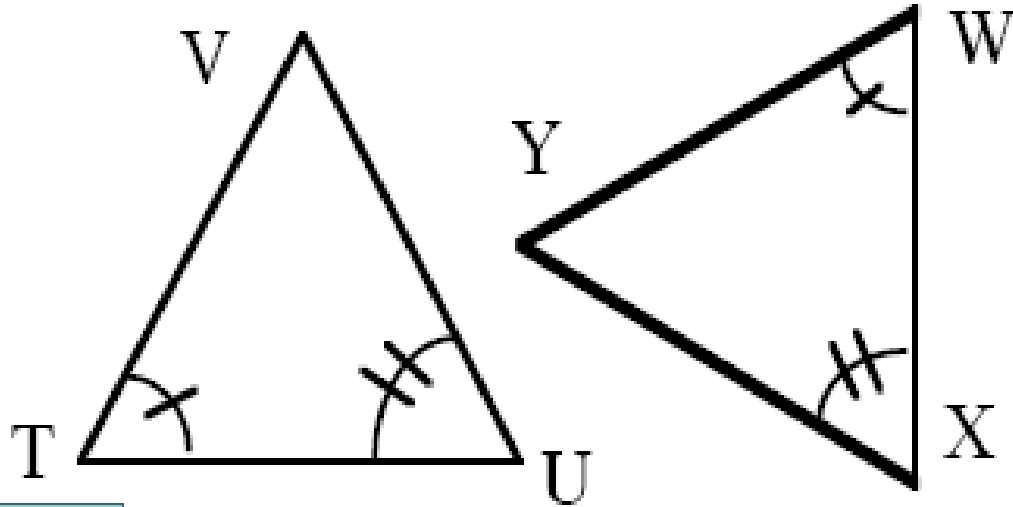
$\triangle GHI \cong \triangle LKJ$
by SAS

● ● ● | Ex 8



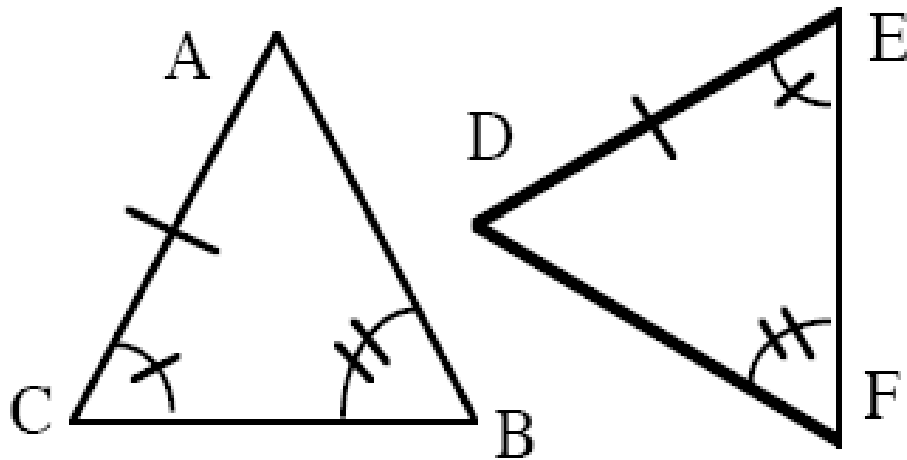
$\triangle RSQ \cong \triangle TSQ$
by HL

● ● ● | Ex 9



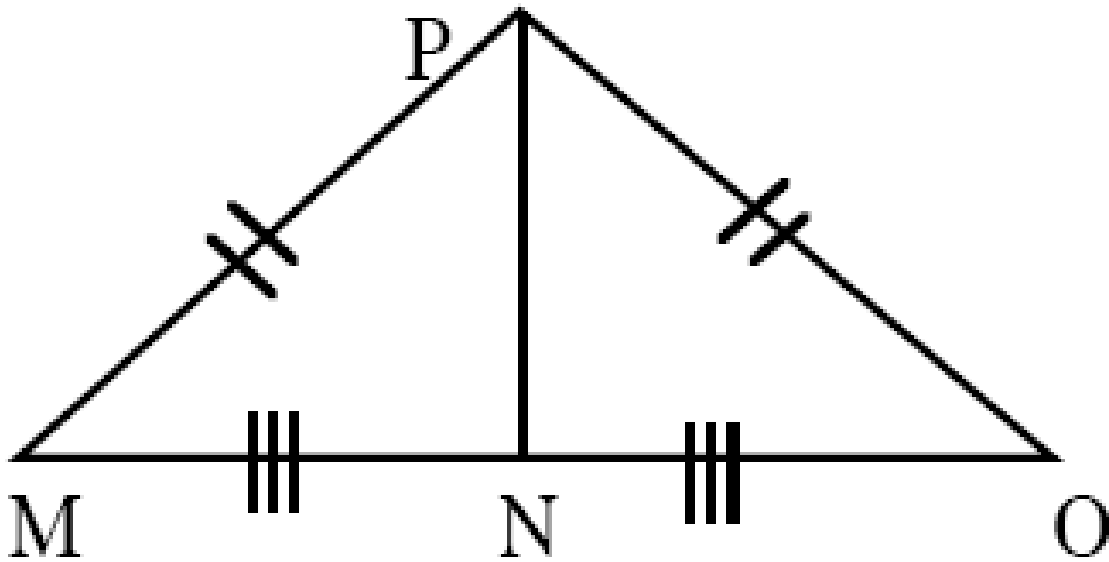
No not enough info

● ● ● | Ex 10



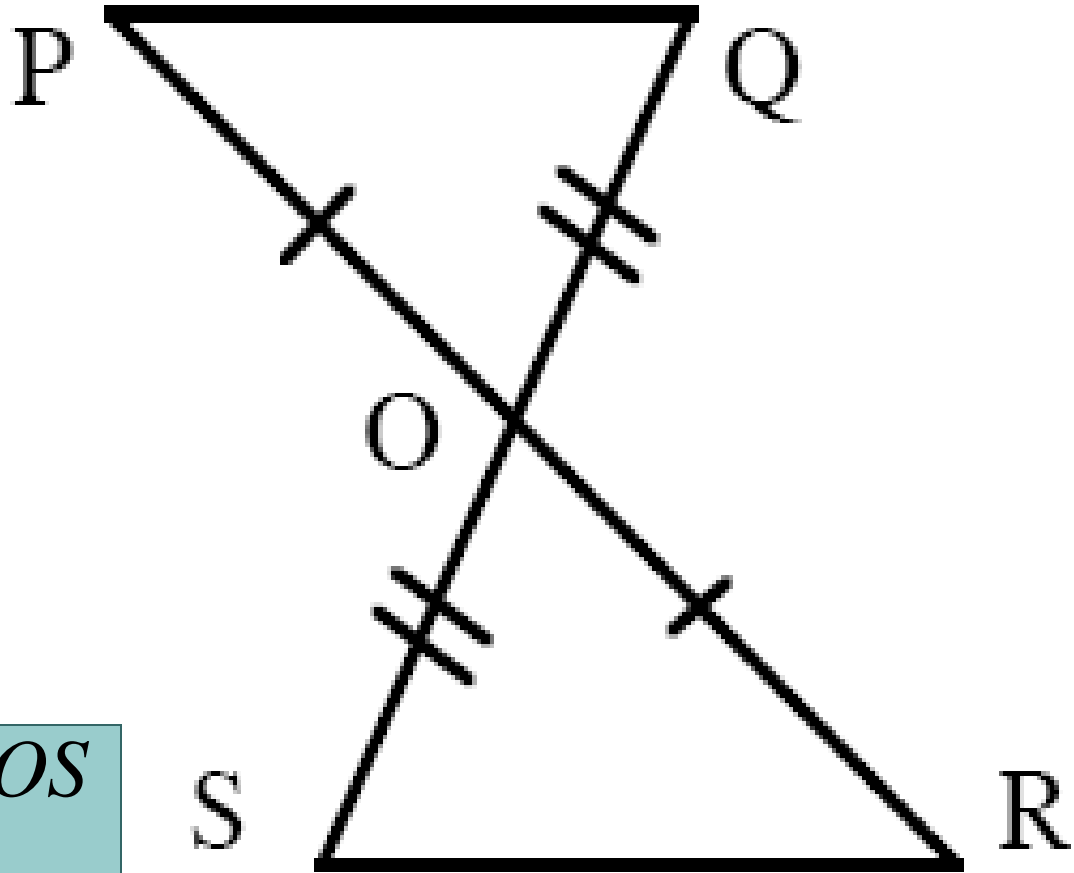
$\triangle ABC \cong \triangle DFE$
by AAS

● ● ● | Ex 11



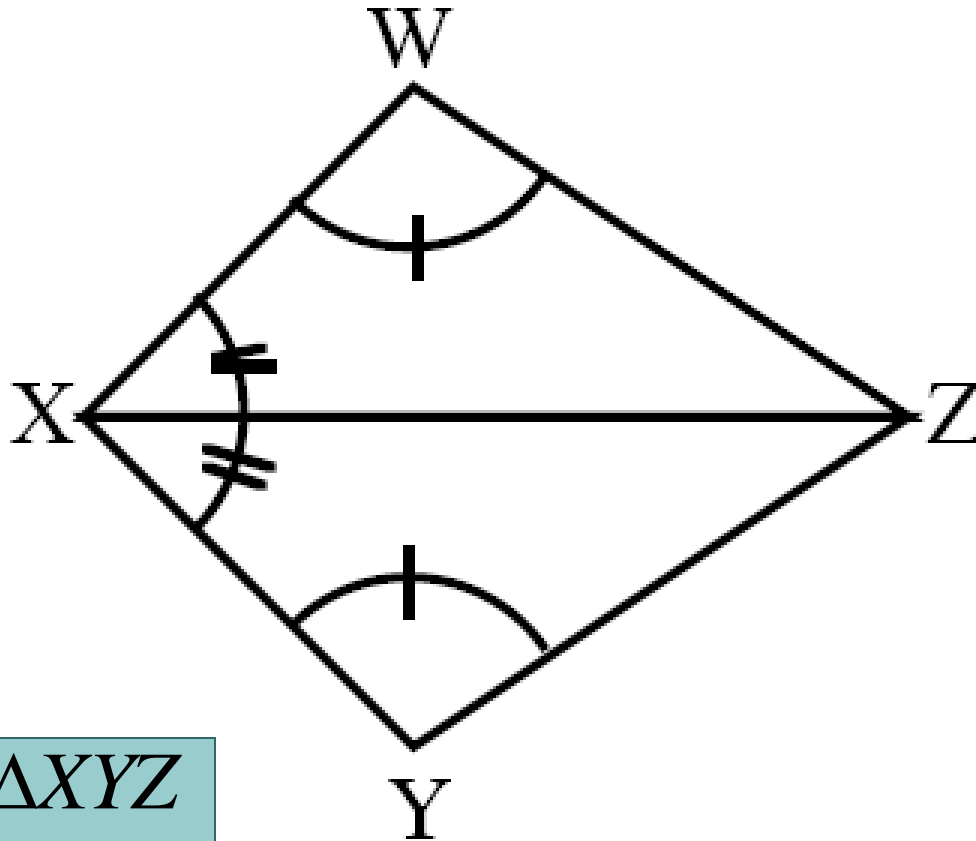
$\triangle MNP \cong \triangle ONP$
by SSS

● ● ● | Ex 12



$\triangle POQ \cong \triangle ROS$
by SAS

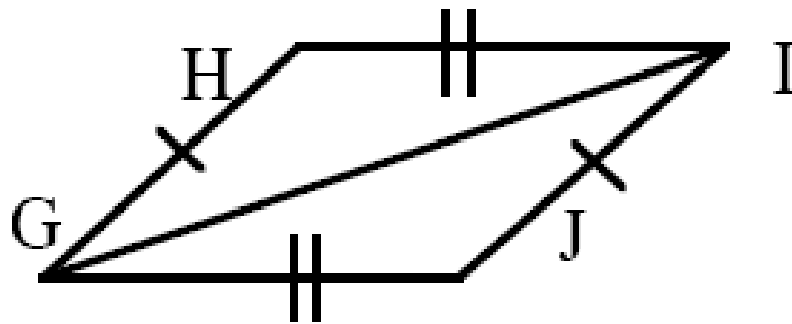
● ● ● | Ex 13



$$\Delta XWZ \cong \Delta XYZ$$

by AAS

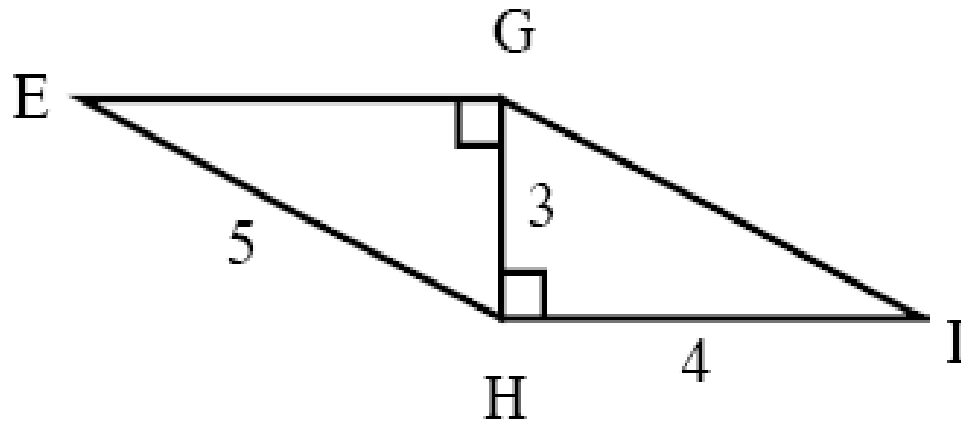
● ● ● | Ex 14



$\triangle GHI \cong \triangle IJG$
by SSS

● ● ● | Ex 15

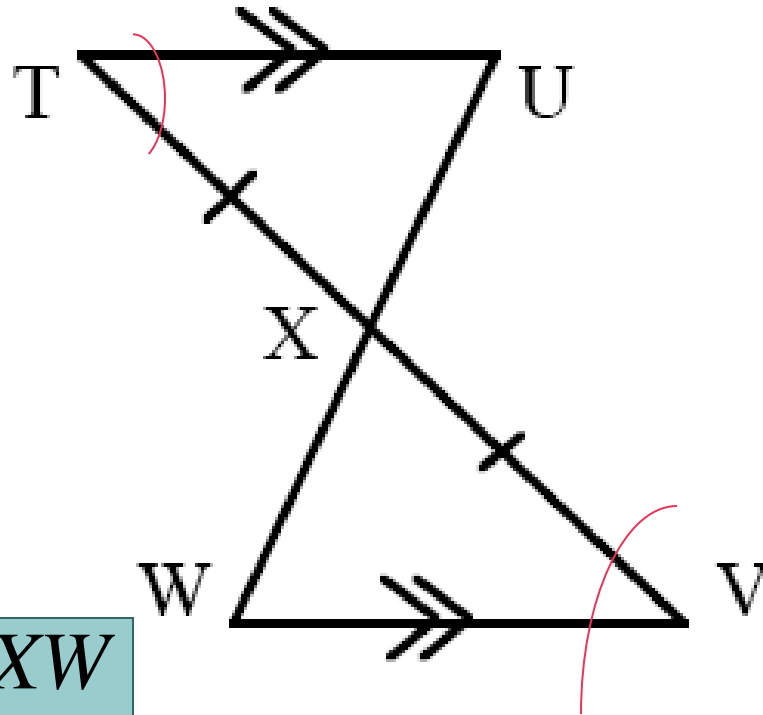
Hint: Use Pythagorean Thm



$\triangle GHE \cong \triangle HGI$
by SSS or HL

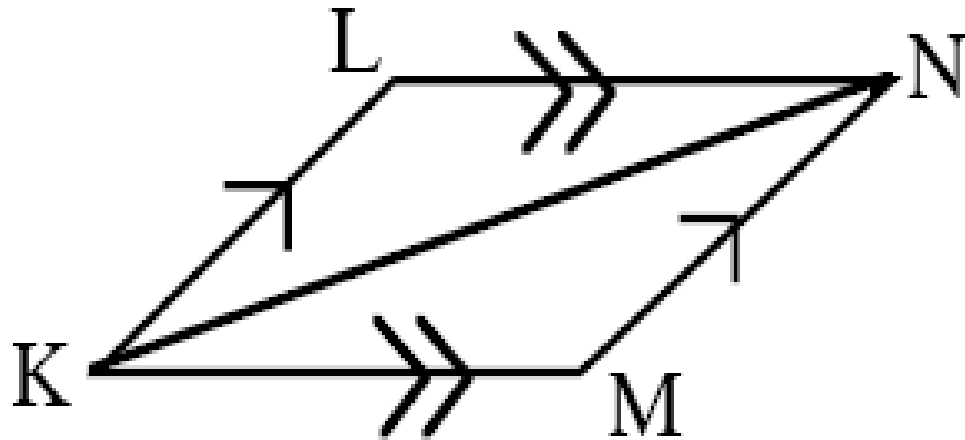
Ex 16

Hint: TU is parallel to WV and TV is the transversal



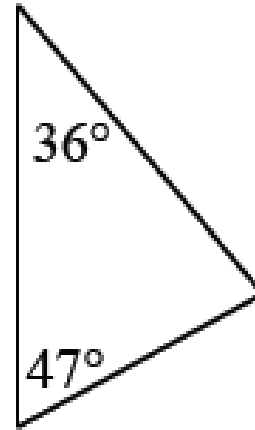
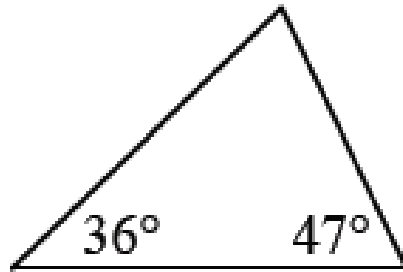
$\triangle TXU \cong \triangle VXW$
by ASA

● ● ● | Ex 17



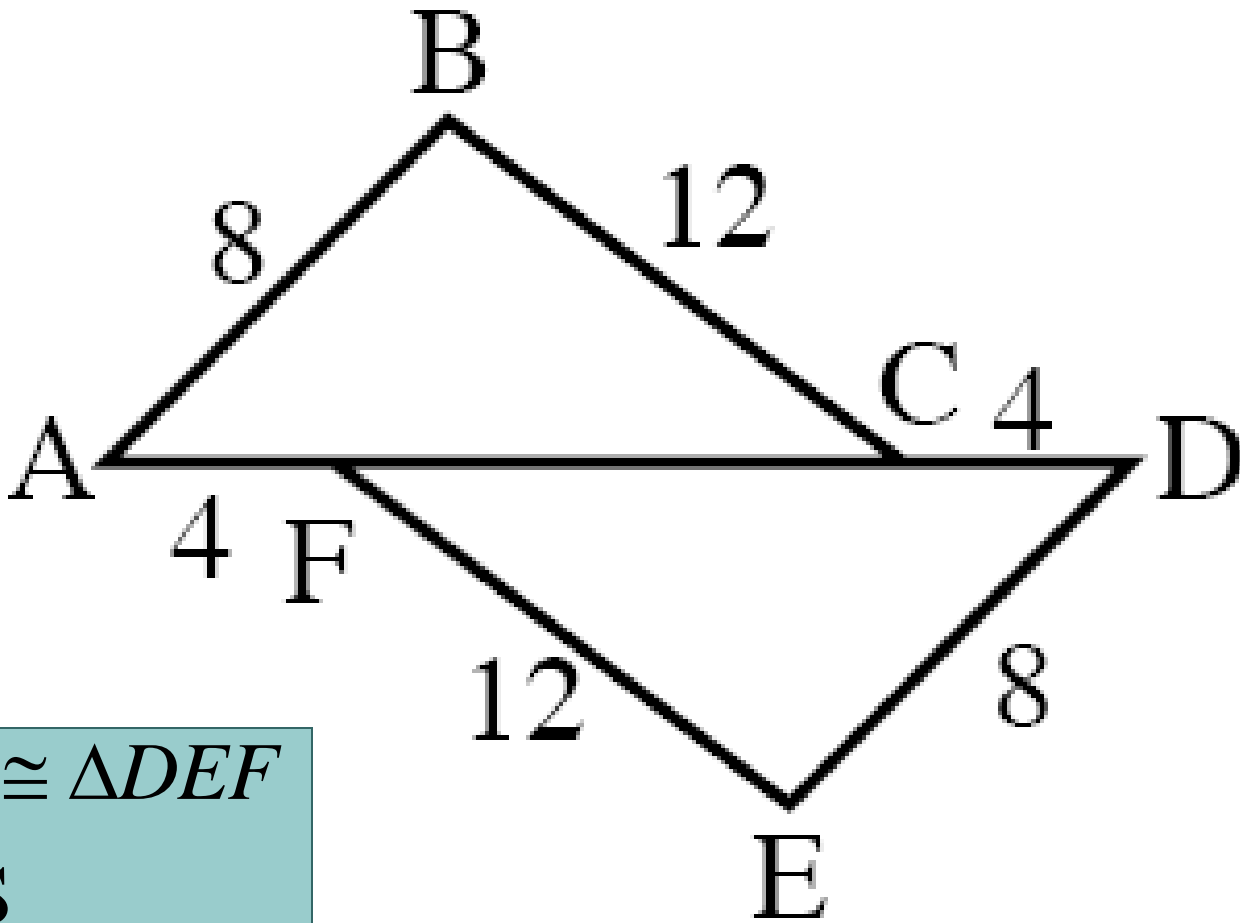
$\triangle LKM \cong \triangle MKN$
by ASA

● ● ● | Ex 18



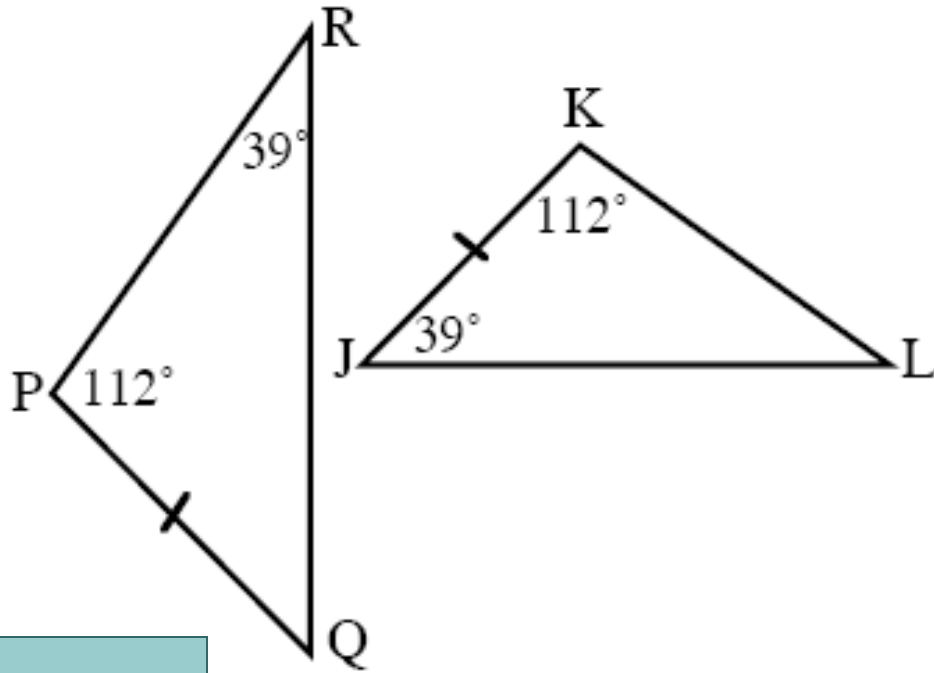
Not congruent
AAA does not work

● ● ● | Ex 19



$\triangle ABC \cong \triangle DEF$
by SSS

● ● ● | Ex 20



Not congruent