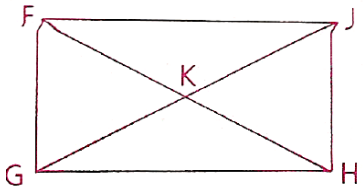
 Name: _____

Past due on: _____ Period _____

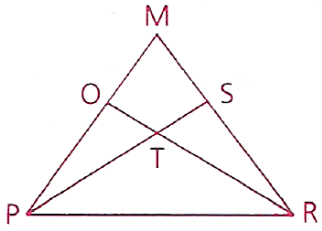
7.8D3 ~ Congruent Triangle Proofs

PROOFS MUST BE DONE ON PROOF PAPER.

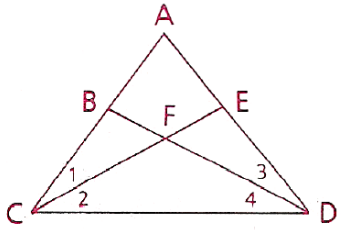
1. Given: $\angle FGH$ is a right $\angle$
   $\angle JHG$ is a right $\angle$
   $\overline{FG} \cong \overline{JH}$
   Prove: $\triangle FGH \cong \triangle JHG$



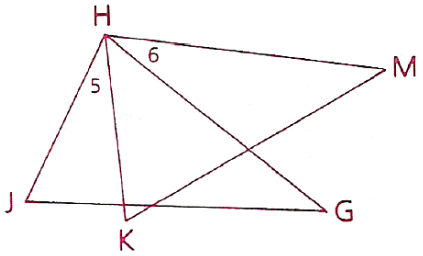
2. Given: $\overline{PM} \cong \overline{RM}$
   $\angle SPM \cong \angle ORM$
   Prove: $\triangle PSM \cong \triangle ROM$



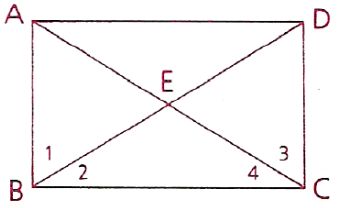
3. Given: $\angle 1 \cong \angle 3$
   $\angle 2 \cong \angle 4$
   Prove: $\triangle BCD \cong \triangle EDC$



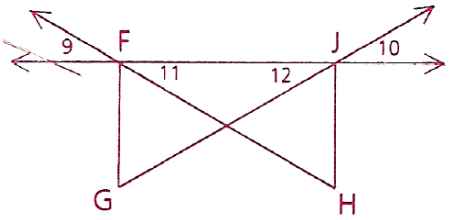
4. Given: $\overline{JH} \cong \overline{KH}$
   $\overline{HG} \cong \overline{HM}$
   $\angle 5 \cong \angle 6$
   Prove: $\triangle JHG \cong \triangle KHM$

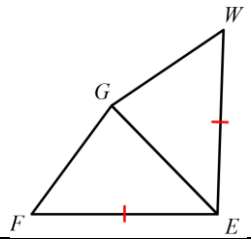
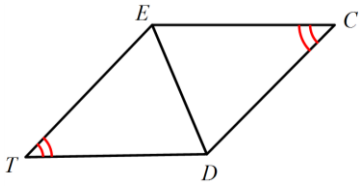
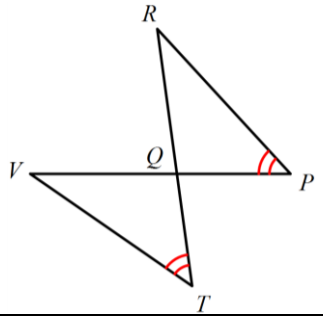
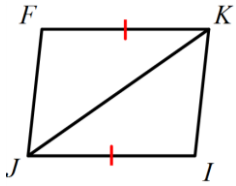
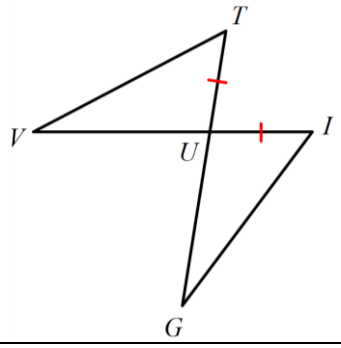


5. Given: $\angle 1$ is comp. to $\angle 2$
   $\angle 3$ is comp. to $\angle 4$
   $\angle 1 \cong \angle 3$
   Prove: $\triangle ABC \cong \triangle DCB$



6. Given: $\angle 9 \cong \angle 10$
   $\angle GFH \cong \angle HJG$
   Prove: $\triangle GFJ \cong \triangle HJF$



		WHAT I KNOW IS CONGRUENT	WHAT I NEED TO KNOW
7	SSS 		
8	AAS 		
9	ASA 		
10	SAS 		
11	ASA 		
12	AAS