

SSS, SAS, ASA, AAS, HL ?

KEY

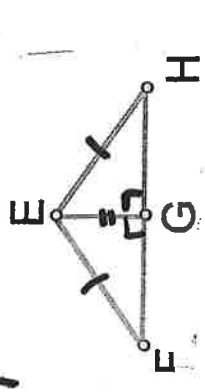
#1

Given: $\overline{AB} \cong \overline{CD}$
 $\overline{BC} \cong \overline{DA}$
 Prove: $\triangle ABC \cong \triangle CDA$



#9

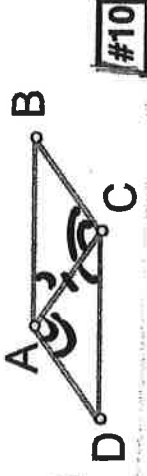
Given: $\overline{EG} \perp \overline{FH}$
 $\overline{EF} \cong \overline{EH}$
 Prove: $\triangle FGE \cong \triangle HGE$



HL

#2

Given: $\overline{AB} \parallel \overline{CD}$
 $\overline{BC} \parallel \overline{DA}$
 Prove: $\triangle ABC \cong \triangle CDA$



#10

#3

Given: $\overline{AB} \parallel \overline{CD}$
 $\overline{AB} \cong \overline{CD}$
 Prove: $\triangle ABC \cong \triangle CDA$



#11

#4

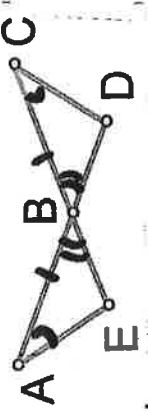
Given: $\overline{AB} \cong \overline{CB}$
 $\overline{EB} \cong \overline{DB}$
 Prove: $\triangle ABE \cong \triangle CBD$



#12

#5

Given: $\angle A \cong \angle C$
 $\overline{AB} \cong \overline{CB}$
 Prove: $\triangle ABE \cong \triangle CBD$



#13

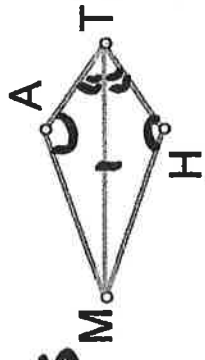
Given: \overline{AD} bisects \overline{EC}
 \overline{EC} bisects \overline{AD}
 Prove: $\triangle ABE \cong \triangle CBD$



#6

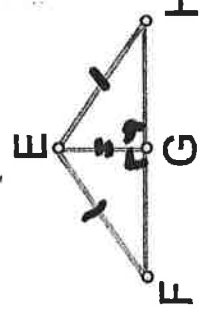
#7

Given: $\angle A \cong \angle H$
 \overline{MT} bisects $\angle ATH$
 Prove: $\triangle MAT \cong \triangle MHT$



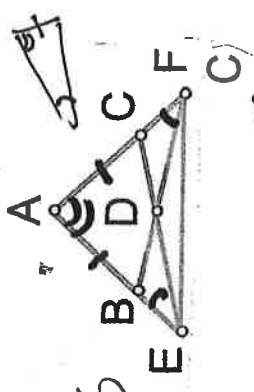
#15

Given: $\triangle EFG$ and $\triangle HGF$ are rt. \triangle s
 $\overline{EF} \cong \overline{EH}$
 Prove: $\triangle FGE \cong \triangle HGE$

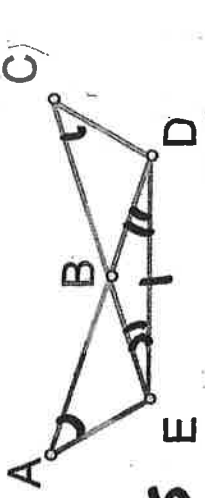


#8

Given: $\overline{AC} \cong \overline{AB}$
 $\angle AEC \cong \angle AFB$
 Prove: $\triangle ACE \cong \triangle ABF$

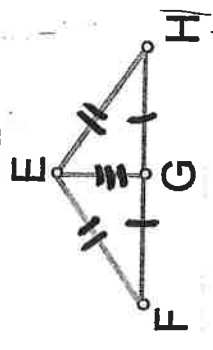


Given: $\angle A \cong \angle C$
 $\angle ADE \cong \angle CED$
 Prove: $\triangle AED \cong \triangle CDE$



AAS

Given: G is the midpoint of \overline{FH}
 $\overline{EF} \cong \overline{EH}$
 Prove: $\triangle FGE \cong \triangle HGE$



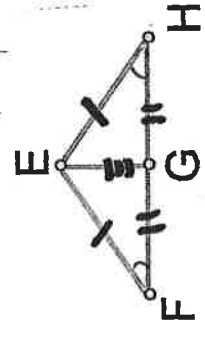
SSS

Given: $\triangle ADC$ and $\triangle CBA$ are rt. \triangle s
 $\overline{AB} \cong \overline{CD}$
 Prove: $\triangle ADC \cong \triangle CBA$



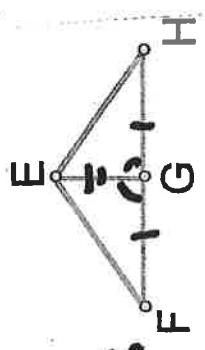
HL

Given: $\triangle FHE$ is isosceles
 G is the midpoint of \overline{FH}
 Prove: $\triangle FGE \cong \triangle HGE$



SSS

Given: \overline{EG} bisects \overline{FH}
 $\angle FGE \cong \angle HGE$
 Prove: $\triangle FGE \cong \triangle HGE$



SAS