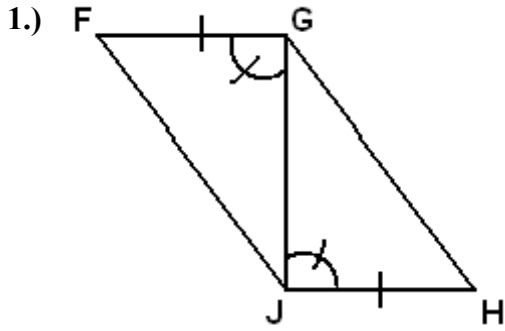


CP Geometry
Triangle Congruence Proofs [#1]

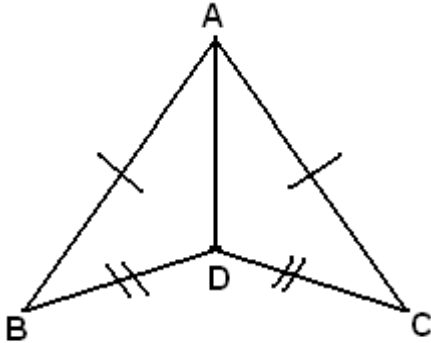
Name: _____



Given: Picture

Prove: $\overline{FJ} \cong \overline{GH}$

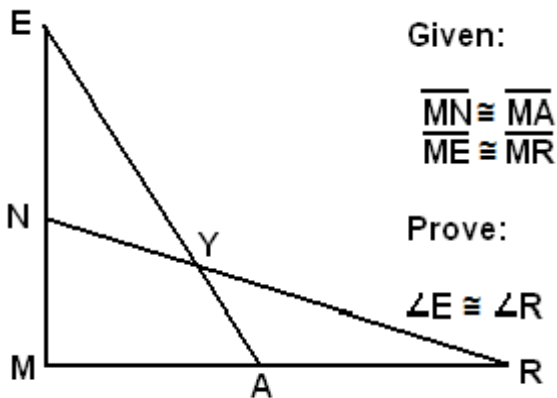
2.)



Given: Picture

Prove: $\angle B \cong \angle C$

3.)



Given:

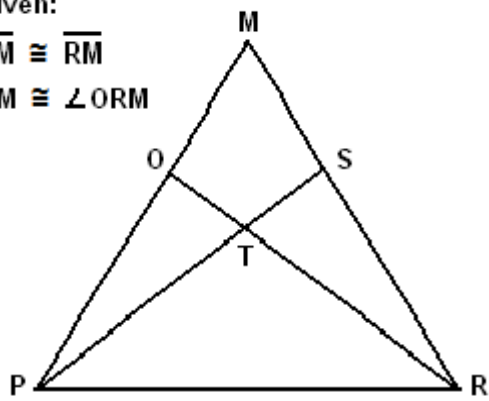
$$\begin{aligned} \overline{MN} &\cong \overline{MA} \\ \overline{ME} &\cong \overline{MR} \end{aligned}$$

Prove:

$$\angle E \cong \angle R$$

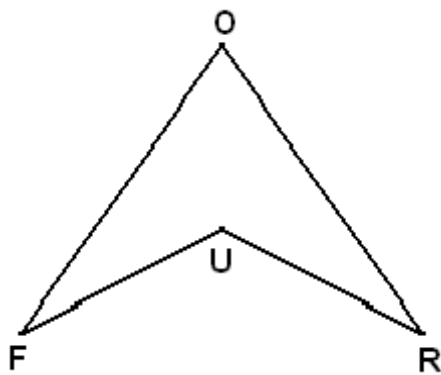
4.)

Given:
 $\overline{PM} \cong \overline{RM}$
 $\angle SPM \cong \angle ORM$



Prove: $\triangle PSM \cong \triangle ROM$

5.)



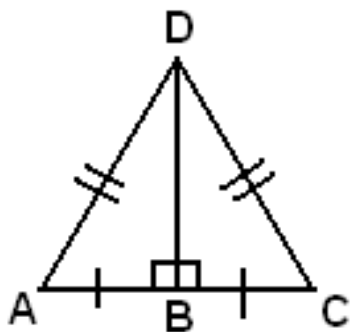
Given:

Prove:

$\overline{FO} \cong \overline{OR}$
 $\overline{UF} \cong \overline{UR}$

$\angle F \cong \angle R$

6.)



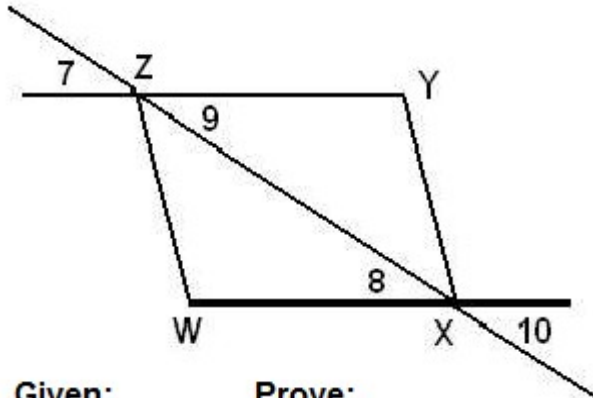
Given: Picture

Prove: $\angle A \cong \angle C$

CP Geometry
Triangle Congruence Proofs [#2]

Name: _____

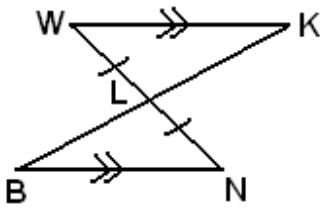
7.)



Given: $\angle 7 \cong \angle 10$
 $\overline{ZY} \cong \overline{WX}$

Prove: $\angle W \cong \angle Y$

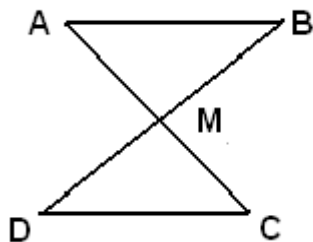
8.)



Given: Picture

Prove: $\overline{WK} \cong \overline{BN}$

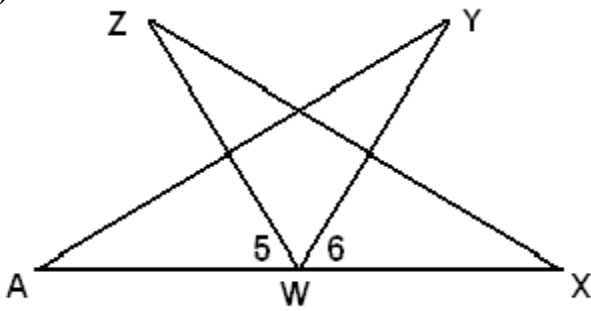
9.)



Given: M is the midpoint of both \overline{AC} and \overline{BD}

Prove: $\overline{AB} \parallel \overline{CD}$

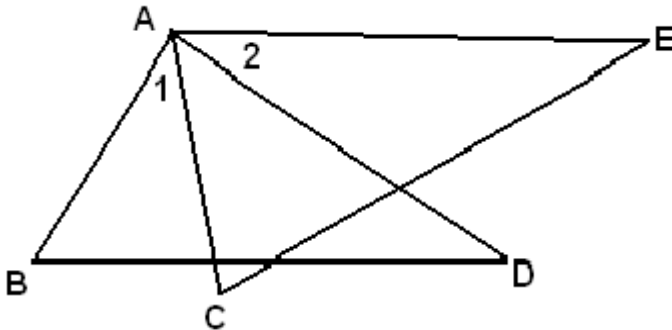
10.)



Given: \overline{YW} bisects \overline{AX}
 $\angle A \cong \angle X$
 $\angle 5 \cong \angle 6$

Prove: $\overline{ZW} \cong \overline{YW}$

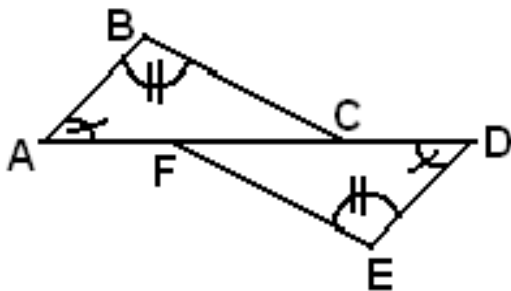
11.)



Given: $\angle 1 \cong \angle 2$
 $\overline{AB} \cong \overline{AC}$
 $\overline{AD} \cong \overline{AE}$

Prove: $\overline{BD} \cong \overline{CE}$

12.)



Given: $\overline{AF} \cong \overline{CD}$

Prove: $\overline{AB} \cong \overline{DE}$