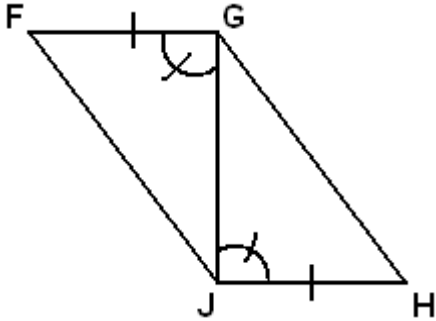


CP Geometry
Triangle Congruence Proofs [#1]

Name: _____

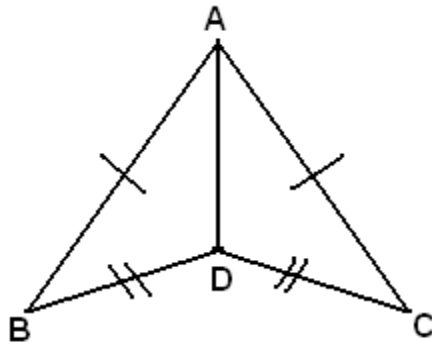
1.)



Given: Picture

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

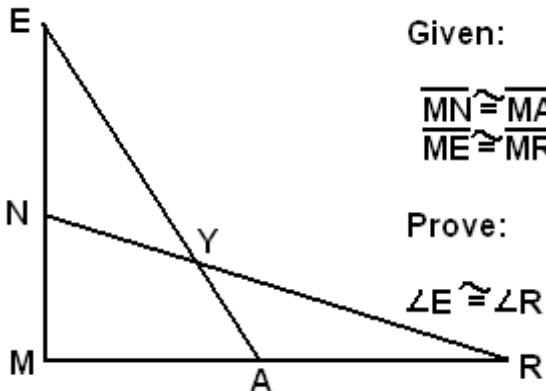
2.)



Given: Picture

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

3.)



Given:

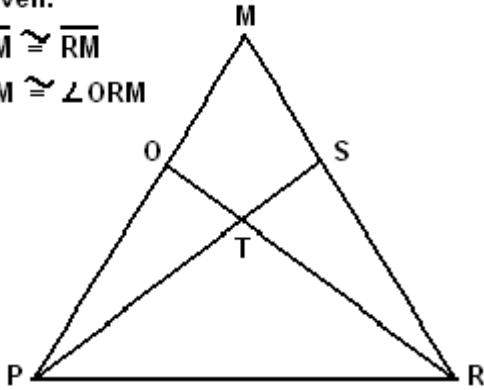
$$\begin{aligned} \overline{MN} &\cong \overline{MA} \\ \overline{ME} &\cong \overline{MR} \end{aligned}$$

Prove:

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

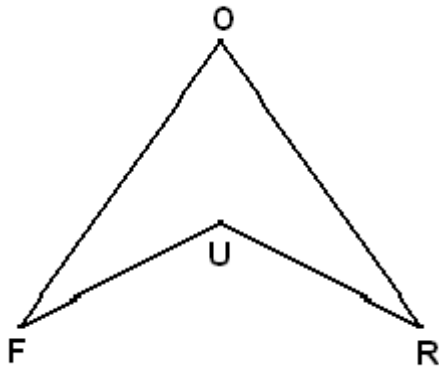
4.)

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



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

5.)



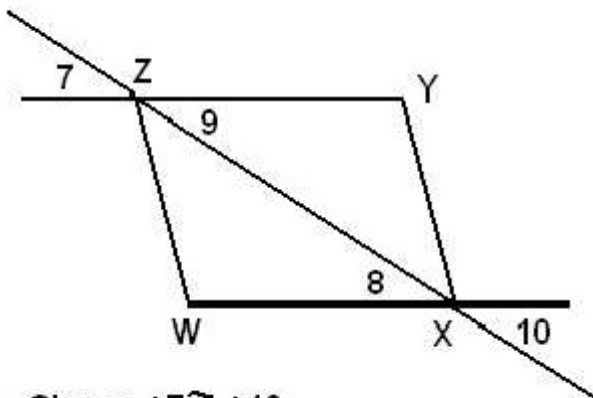
Given:

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

Prove:

$\angle F \cong \angle R$

6.)



Given: $\angle 7 \cong \angle 10$

$\overline{ZY} \cong \overline{WX}$

Prove: $\triangle WXZ \cong \triangle YZX$

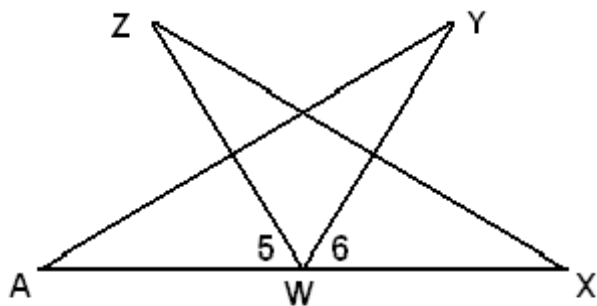
AND (in the same proof)

$\angle W \cong \angle Y$

CP Geometry
Triangle Congruence Proofs [#2]

Name: _____

7.)



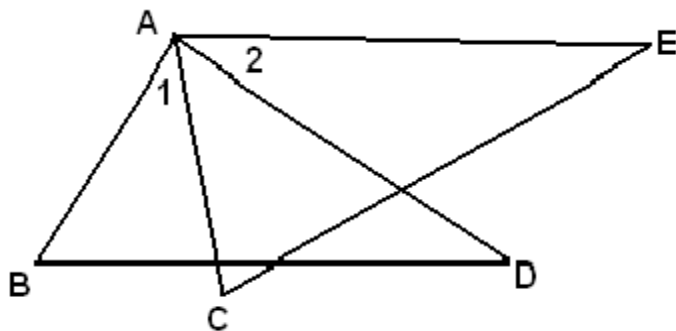
Given: \overline{YW} bisects \overline{AX}

$$\angle A \cong \angle X$$

$$\angle 5 \cong \angle 6$$

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

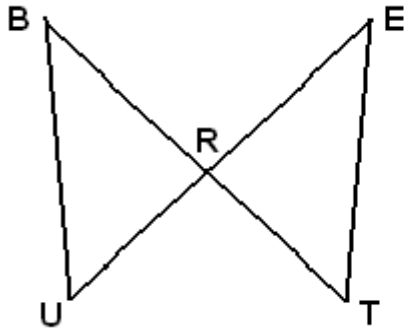
8.)



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

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

9.)



Given:

$$\overline{BT} \cong \overline{UE}$$
$$\overline{BU} \cong \overline{TE}$$

Prove:

$$\angle B \cong \angle E \quad \text{AND} \quad \overline{BR} \cong \overline{RE}$$