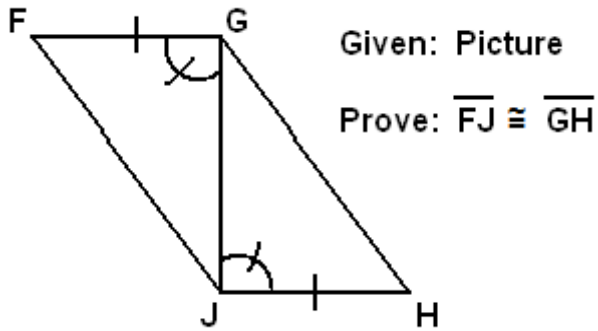


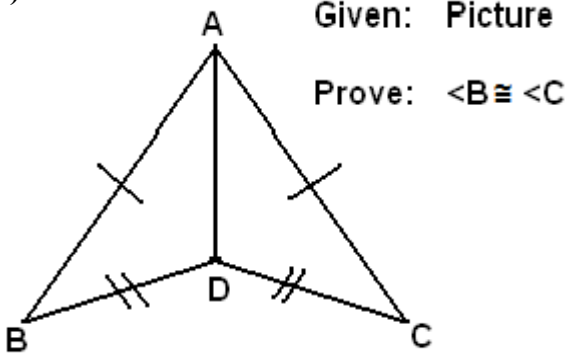
Advanced Geometry
 Triangle Congruence Proofs [#1]

Name: _____

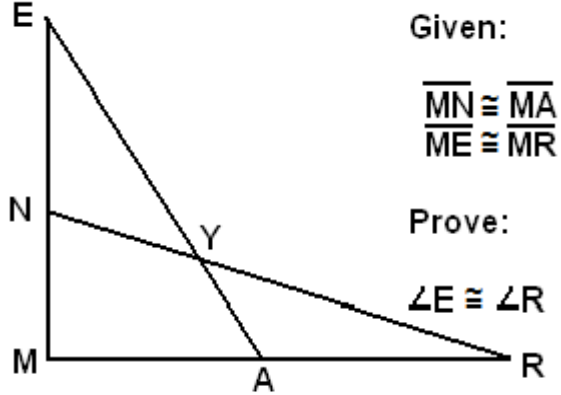
1.)



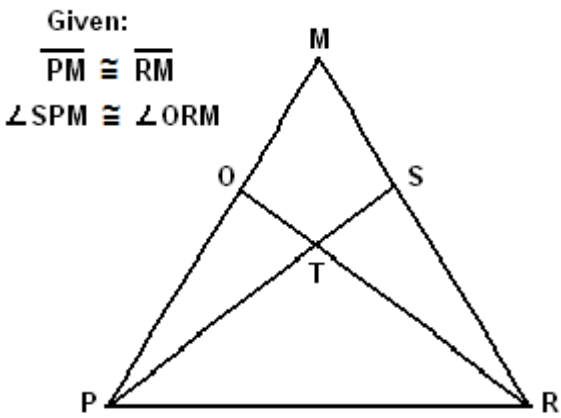
2.)



3.)

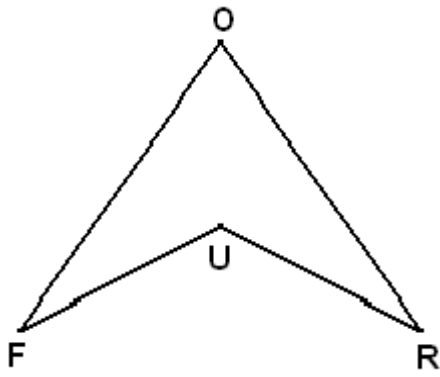


4.)



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

5.)



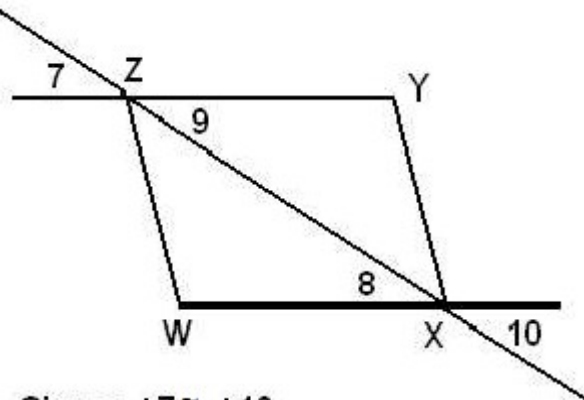
Given:

Prove:

$$\begin{array}{l} \overline{FO} \cong \overline{OR} \\ \overline{UF} \cong \overline{UR} \end{array}$$

$$\angle F \cong \angle R$$

6.)



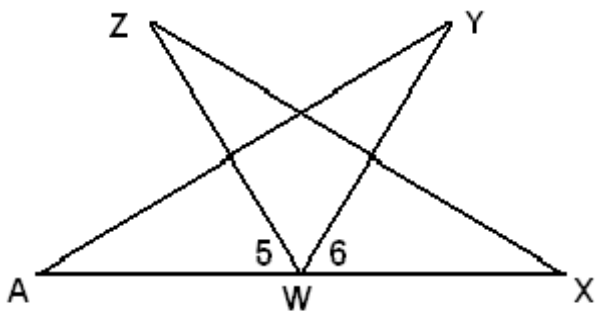
Given: $\angle 7 \cong \angle 10$

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

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

$$\angle W \cong \angle Y$$

7.)



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

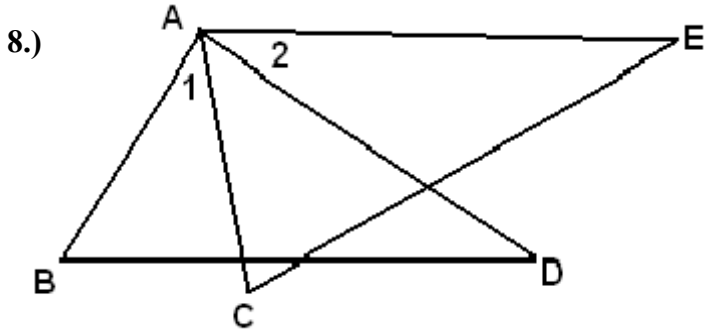
$$\angle A \cong \angle X$$

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

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

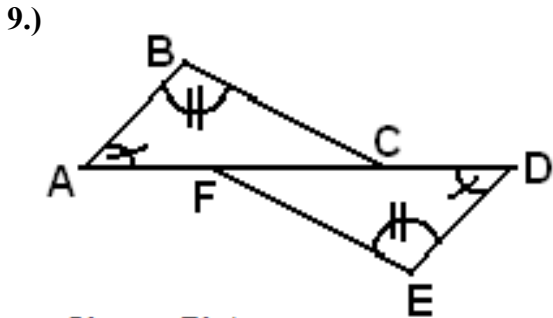
Advanced Geometry
Triangle Congruence Proofs [#2]

Name: _____



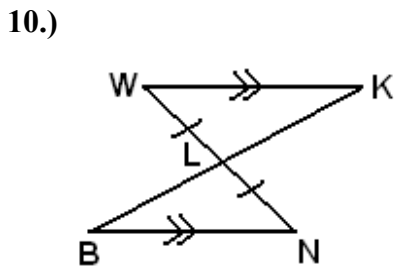
Given: $\angle 1 \cong \angle 2$
 $\overline{AB} \cong \overline{AC}$
 $\overline{AD} \cong \overline{AE}$

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



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

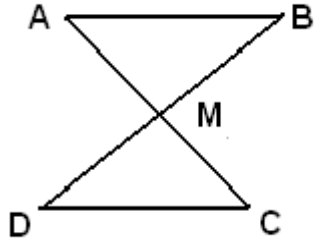
Prove: $\overline{AB} \cong \overline{DE}$



Given: Picture

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

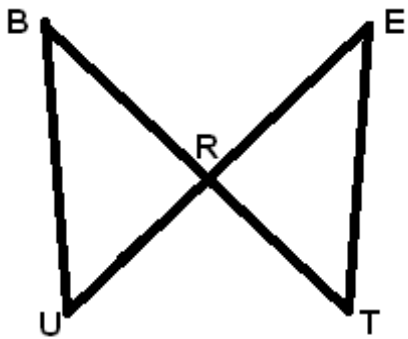
11.)



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

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

12.)



Given:

$$\begin{array}{l} \overline{BT} \cong \overline{UE} \\ \overline{BU} \cong \overline{TE} \end{array}$$

Prove:

$$\begin{array}{l} \angle B \cong \angle E \\ \overline{BR} \cong \overline{RE} \end{array}$$