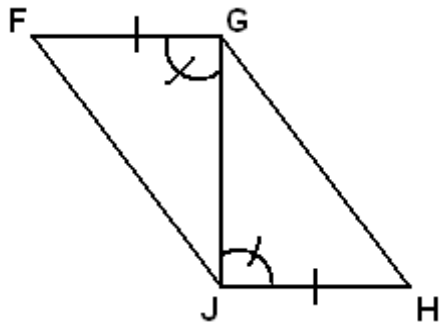


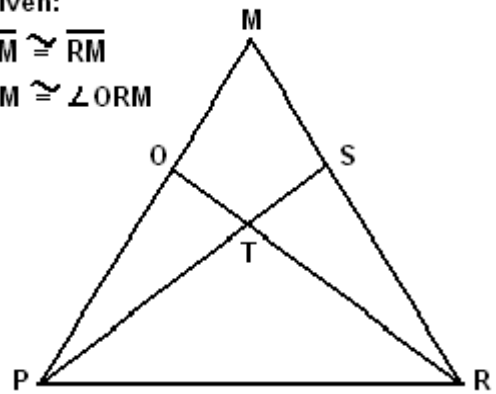
Easy



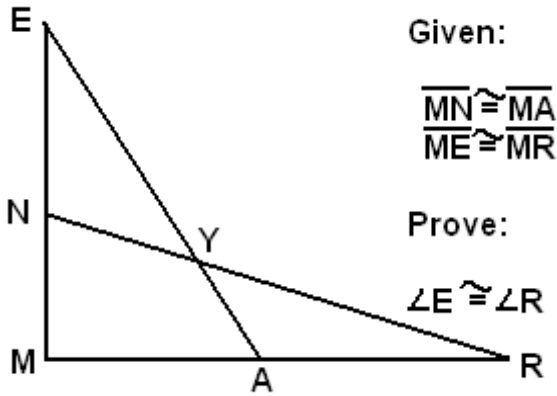
Given: Picture

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

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



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

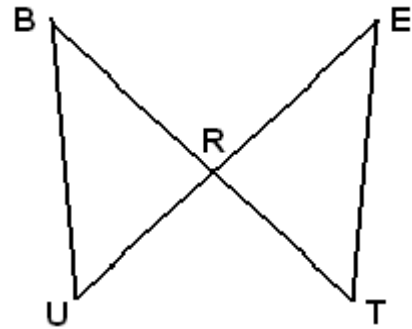


Given:

$\overline{MN} \cong \overline{MA}$   
 $\overline{ME} \cong \overline{MR}$

Prove:

$\angle E \cong \angle R$

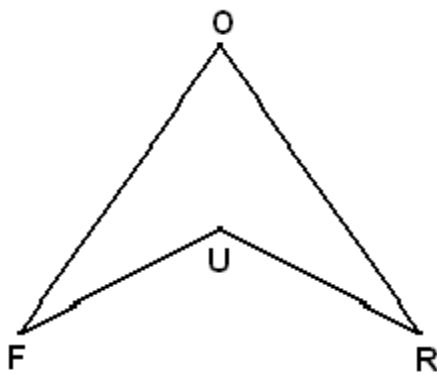


Given:

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

Prove:

$\angle B \cong \angle E$

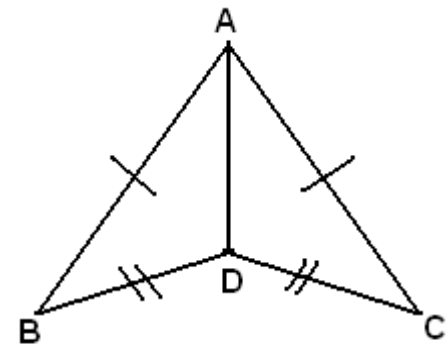


Given:

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

Prove:

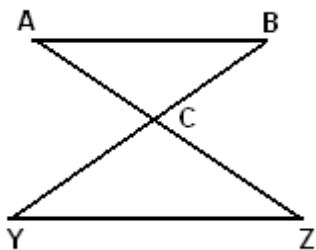
$\angle F \cong \angle R$



Given: Picture

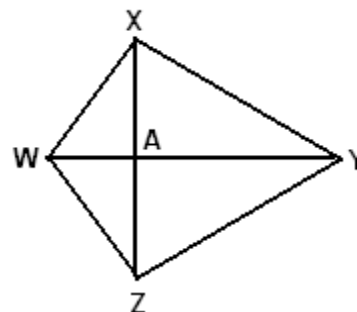
Prove:  $\angle B \cong \angle C$

Moderate



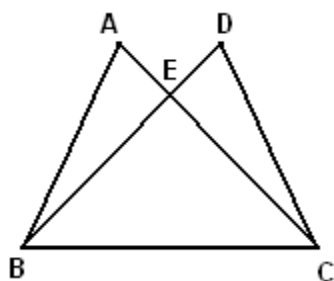
Given:  $\angle B \cong \angle Y$   
 C is the midpoint of  $\overline{BY}$

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



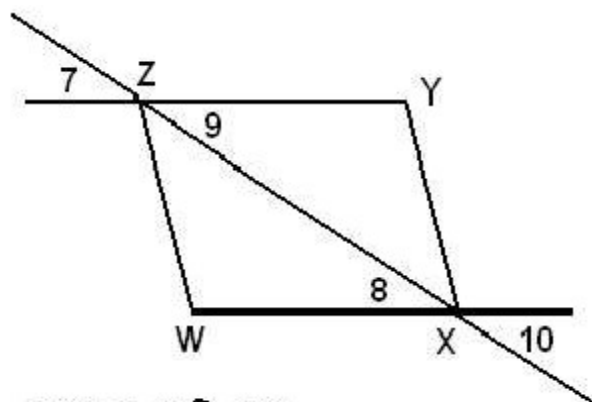
Given:  $\overline{WX} \cong \overline{WZ}$   
 $\overline{XY} \cong \overline{ZY}$

Prove:  $\triangle XAY \cong \triangle ZAY$



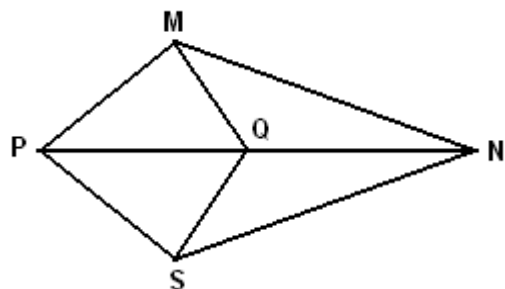
Given:  $\overline{AB} \cong \overline{DC}$   
 $\overline{AC} \cong \overline{DB}$

Prove:  $\triangle EBC$  is isosceles



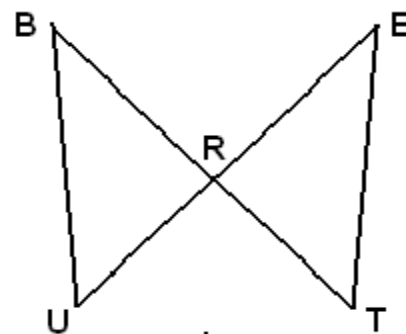
Given:  $\angle 7 \cong \angle 10$   
 $\overline{ZY} \cong \overline{WX}$

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



Given:  $\overline{MN} \cong \overline{NS}$   
 $\overline{MP} \cong \overline{PS}$

Prove:  $\angle MQP \cong \angle SQP$



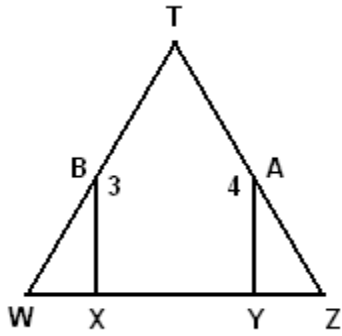
Given:

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

Prove:

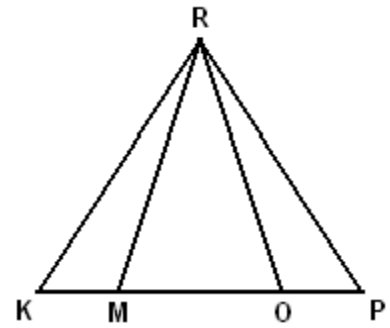
$\angle B \cong \angle E$   
 $\overline{UR} \cong \overline{TR}$

### Moderate



Given:  $\angle 3 \cong \angle 4$   
 $\overline{BX} \cong \overline{AY}$   
 $\overline{BW} \cong \overline{AZ}$

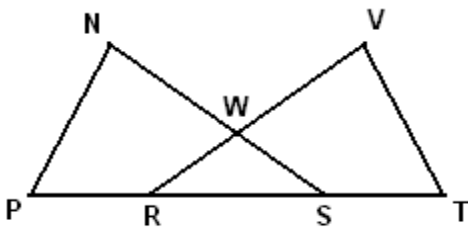
Prove:  $\overline{WT} \cong \overline{ZT}$



Given:  $\overline{RM} \cong \overline{RO}$   
 $\angle KRM \cong \angle PRO$

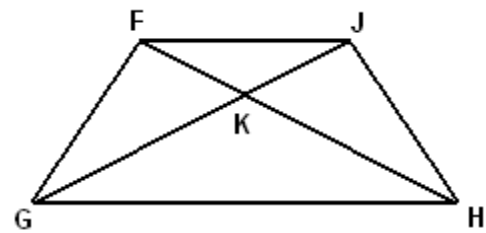
Prove:  $\overline{KM} \cong \overline{PO}$

### Reasonably Challenging



Given:  $\overline{PR} \cong \overline{ST}$   
 $\overline{NP} \cong \overline{NT}$   
 $\angle P \cong \angle T$

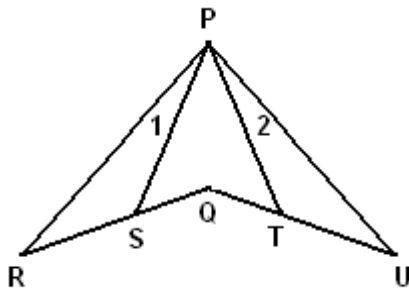
Prove:  $\overline{WR} \cong \overline{WS}$



Given:  $\overline{FG} \cong \overline{JH}$   
 $\angle FGH \cong \angle JHG$

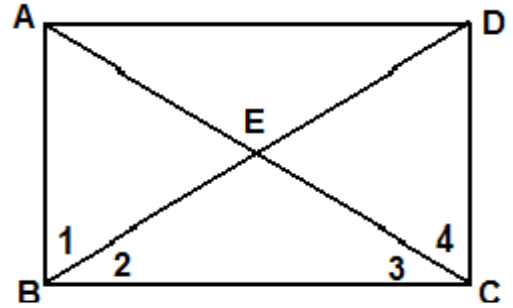
Prove:  $\overline{FK} \cong \overline{JK}$

## Reasonably Challenging



Given:  $\overline{PR} \cong \overline{PU}$   
 $\overline{QR} \cong \overline{QU}$   
 $\overline{RS} \cong \overline{UT}$

Prove:  $\angle 1 \cong \angle 2$



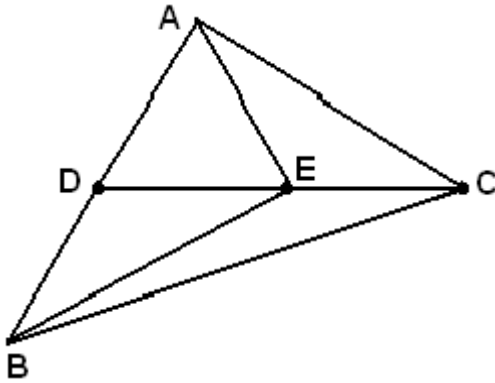
Given:

$\angle 1$  is complementary to  $\angle 2$

$\angle 3$  is complementary to  $\angle 4$

$\angle 1 \cong \angle 4$

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

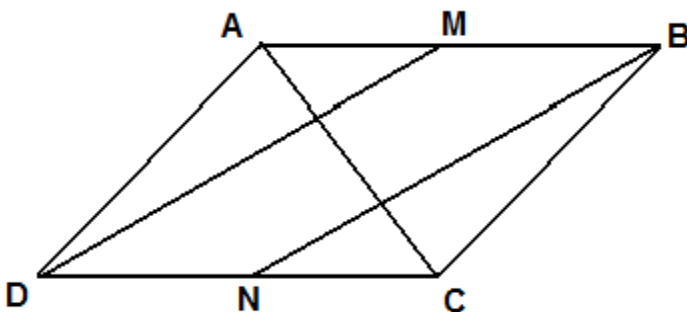


Given:  $\overline{AD} \cong \overline{BD} \cong \overline{AE}$

$\overline{DE} \cong \overline{EC}$

Prove:  $\overline{AC} \cong \overline{BE}$

Hard.....



Given:

$\overline{AB} \cong \overline{CD}$

M is the midpoint of  $\overline{AB}$

N is the midpoint of  $\overline{CD}$

$\angle BMD \cong \angle DNB$

$\angle BAC \cong \angle DCA$

$\angle ACB \cong \angle DAC$

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