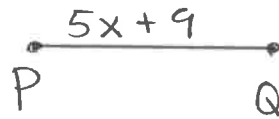
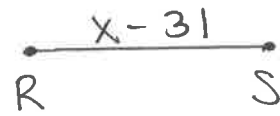


Given: $\overline{PQ} \cong \overline{RS}$

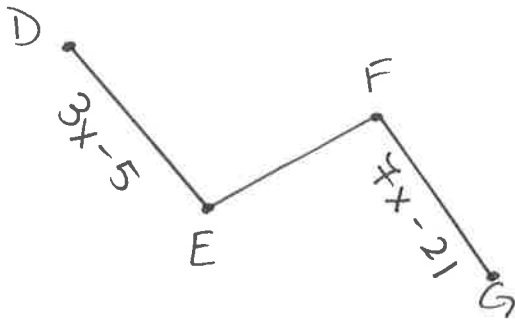


Prove: $x = -10$

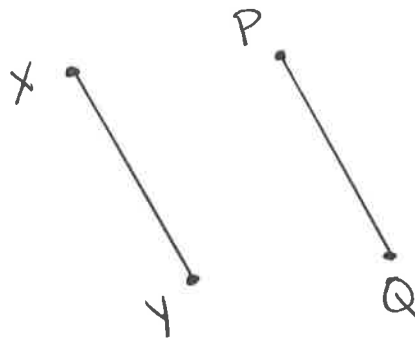


Given: $\overline{DE} \cong \overline{FG}$

Prove: $x = 4$



Given: $\overline{PQ} \cong \overline{XY}$



Prove: $\overline{XY} \cong \overline{PQ}$

Given: \overline{EF}

Prove: $\overline{EF} \cong \overline{EF}$

Given: $\overline{AB} \cong \overline{QR}$

$$\overline{QR} \cong \overline{ST}$$

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

Given: $\overline{SR} \cong \overline{PZ}$

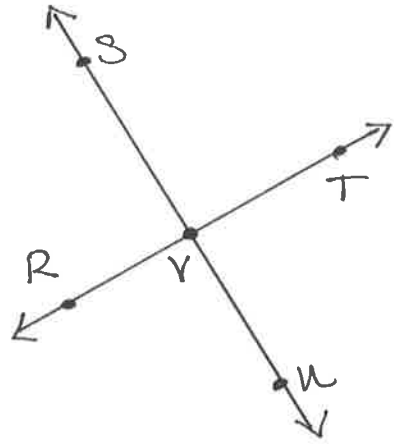
$$\overline{PZ} \cong \overline{AC}$$

$$\overline{AC} \cong \overline{EG}$$

Prove: $\overline{SR} \cong \overline{EG}$

Given: $\angle RVS \cong \angle SVT$.

Prove: $\overleftrightarrow{RT} \perp \overleftrightarrow{SU}$



Given: $AB = BC$

C is the midpoint of \overline{BD}

Prove: $AB = CD$



Given: $\overline{AB} \cong \overline{BC}$
C is the midpoint of \overline{BD}

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

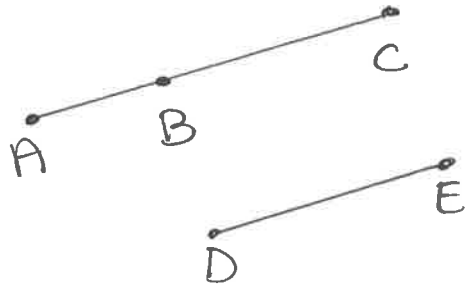


Given: B is the midpoint of \overline{AC}
C is the midpoint of \overline{BD}

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

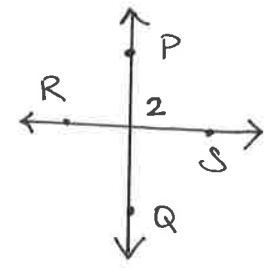
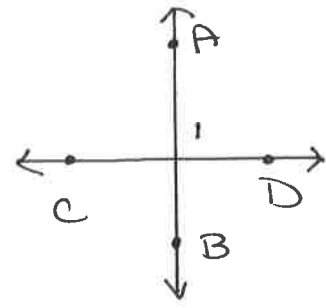
Given : $BC = DE$

Prove : $AB + DE = AC$



Given: $\overleftrightarrow{AB} \perp \overleftrightarrow{CD}$
 $\overleftrightarrow{RS} \perp \overleftrightarrow{PQ}$

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



Given: $AB = BC$
 $BC = CD$

Prove: $AB = CD$



Given: $\overline{AB} \cong \overline{BC}$

$\overline{BC} \cong \overline{CD}$

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

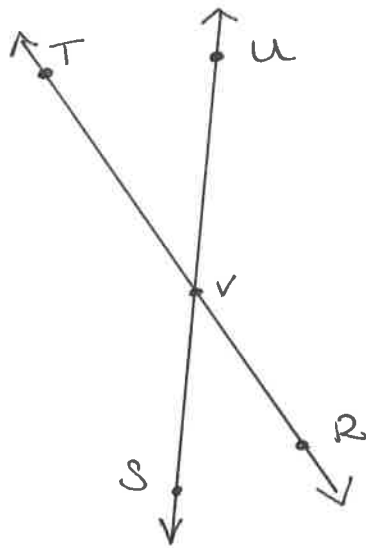


Given: $\overline{AB} \cong \overline{CD}$

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

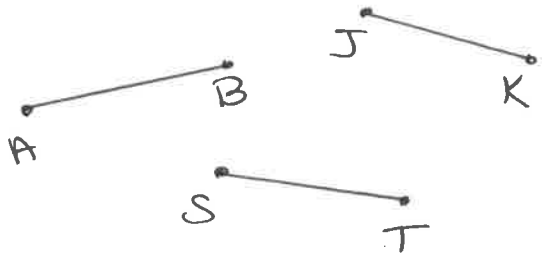


Prove: $\angle RVS \cong \angle TVU$



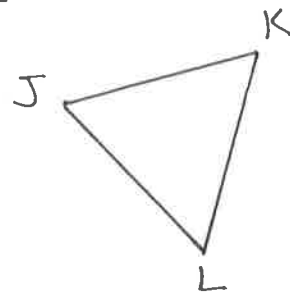
Given: $\overline{AB} \cong \overline{JK}$, $\overline{JK} \cong \overline{ST}$

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



Given: $LK = 5$, $JK = 5$, $\overline{JK} \cong \overline{JL}$

Prove: $\overline{LK} \cong \overline{JL}$



Given: $\overline{QR} \cong \overline{RS}$

Prove: $QS = 2RS$



Given: M is the midpoint of \overline{AB} .

Prove: $AB = 2AM$



Given: $\overline{WX} \cong \overline{XQ}$

Prove: $WX = \frac{1}{2} WQ$



Given: T is the midpoint of \overline{AR}

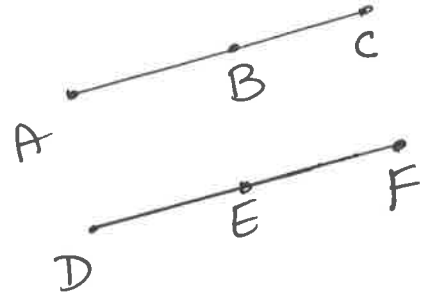
Prove: $AT = \frac{1}{2} AR$

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

B is the midpoint of \overline{AC} .

E is the midpoint of \overline{DF} .

Prove: $\overline{BC} \cong \overline{EF}$



Given: $\overline{LE} \cong \overline{MR}$

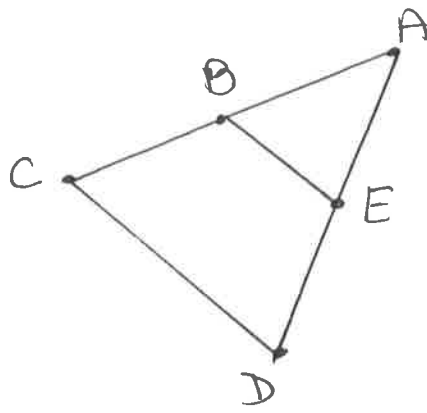
$\overline{EG} \cong \overline{AR}$

Prove: $\overline{LG} \cong \overline{MA}$



Given : $AC = AD$
 $AB = AE$

Prove : $BC = ED$



Given: G is the midpoint of \overline{FH}

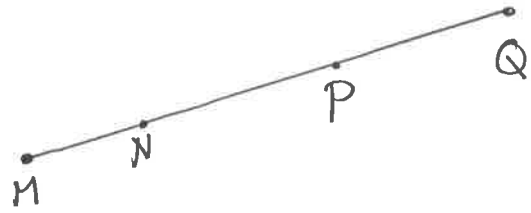
$$\overline{EF} \cong \overline{GH}$$

Prove: $\overline{EF} \cong \overline{FG}$



Given: $\overline{MN} \cong \overline{PQ}$

Prove: $\overline{MP} \cong \overline{NQ}$

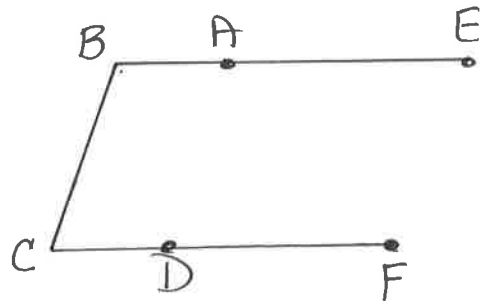


Given: $\angle 1$ and $\angle 2$ are right angles.

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

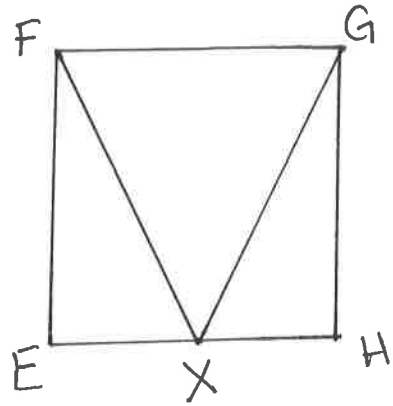
Given: $\overline{BA} \cong \overline{BC}$, $\overline{BC} \cong \overline{CD}$, $\overline{AE} \cong \overline{DF}$

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



Given: $\overline{EH} \cong \overline{GH}$, $\overline{FG} \cong \overline{GH}$

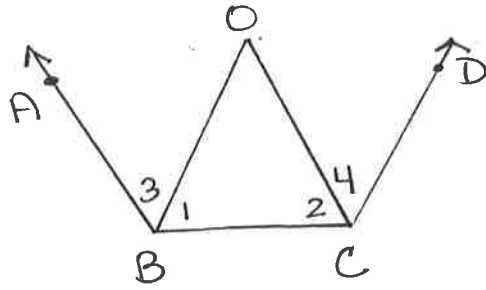
Prove: $\overline{FG} \cong \overline{EH}$



Given: $m\angle ABC = m\angle DBC$

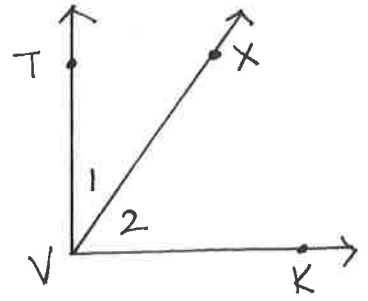
$m\angle 1 = m\angle 2$

Prove: $m\angle 3 = m\angle 4$



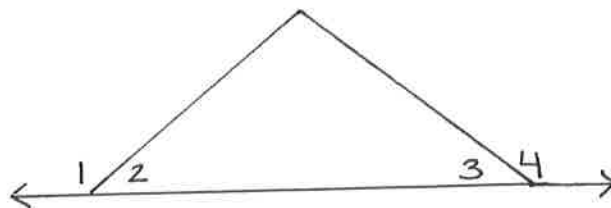
Given: $\angle TVK$ is a right angle.

Prove: $\angle 1$ is complementary to $\angle 2$.



Given: $\angle 1 \cong \angle 4$

Prove: $\angle 2 \cong \angle 3$

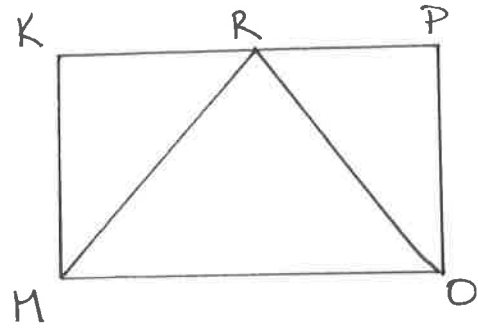


Given: $\overline{KM} \perp \overline{MO}$

$\overline{PO} \perp \overline{MO}$

$\angle KMR \cong \angle POR$

Prove: $\angle ROM \cong \angle RMO$

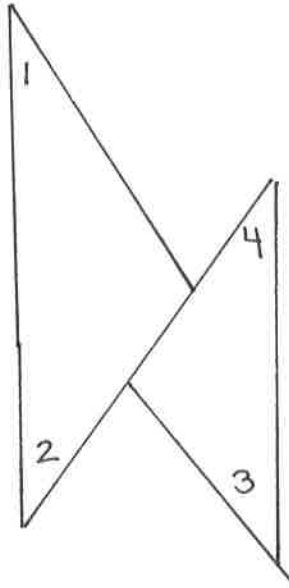


Given: $m\angle 3 = 40^\circ$

$\angle 1 \cong \angle 2$

$\angle 2 \cong \angle 3$

Prove: $m\angle 1 = m\angle 3$



* not drawn
to scale *

Given: C is the midpoint of \overline{BD}

Prove: $AB + CD = AC$



Given: C is the midpoint of \overline{BD}

Prove: $BC = \frac{1}{2}BD$



Given: $\angle T$ and $\angle S$ are complementary.
 $\angle U$ and $\angle S$ are complementary.

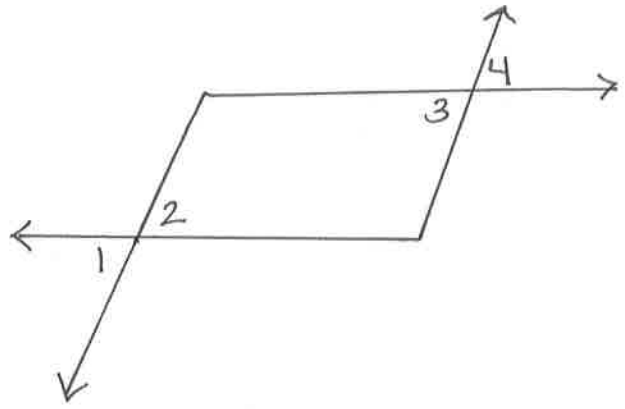
Prove: $\angle U \cong \angle T$

Given: $\angle G$ and $\angle F$ are supplementary.
 $\angle F$ and $\angle H$ are supplementary.

Prove: $\angle G \cong \angle H$

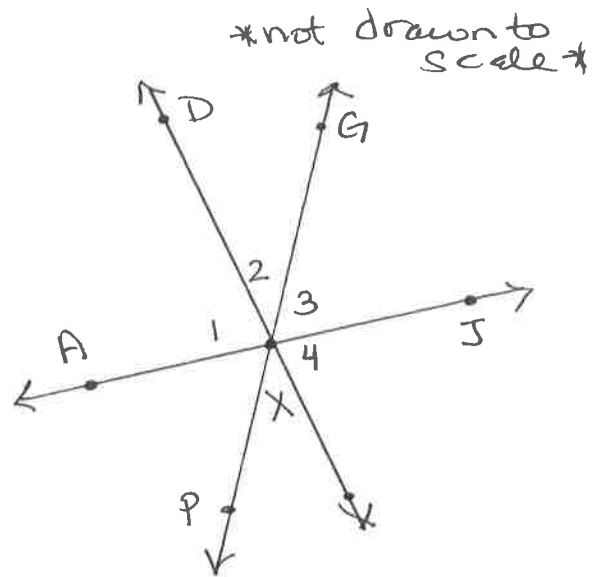
Given: $\angle 1 \cong \angle 4$

Prove: $\angle 2 \cong \angle 3$



Given: \overrightarrow{XD} bisects $\angle AXG$

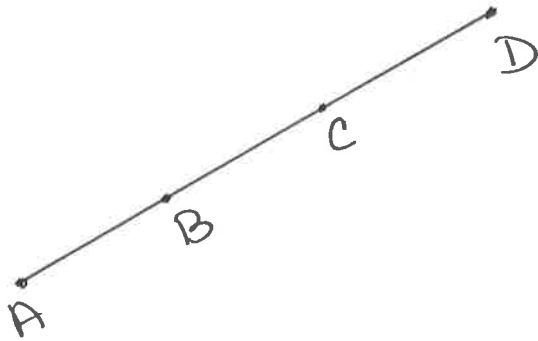
Prove: $\angle 2 \cong \angle 4$



Given: B is the midpoint of \overline{AC} .

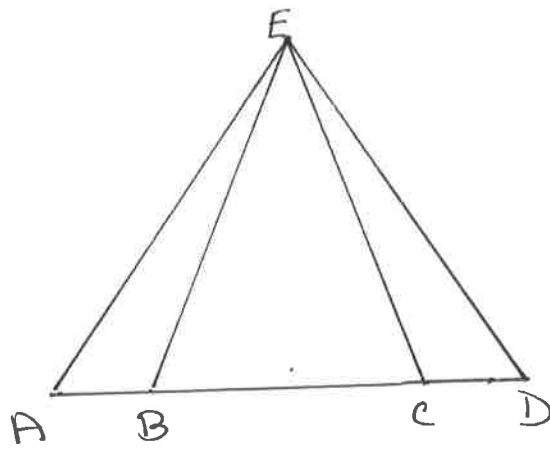
C is the midpoint of \overline{BD} .

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



Given: $AB = DC$

Prove: $AC = DB$



Given: X is the midpoint of \overline{WY} and \overline{VZ}

Prove: $VW = ZY$



Given: $m\angle 4 + m\angle 5 = 180$

Prove: $m\angle 3 = m\angle 6$

