A. R is the midpoint of both $\overline{PT}$ and $\overline{QS}$.

S
P
R
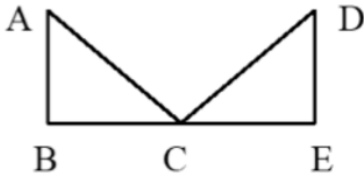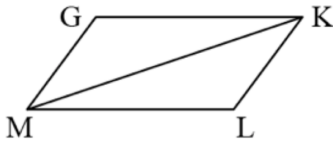Q   T
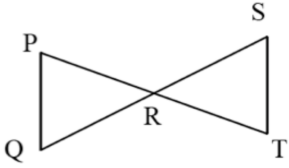
B. $\overline{AE} \cong \overline{CB}$, $\overline{AB} \cong \overline{CD}$,
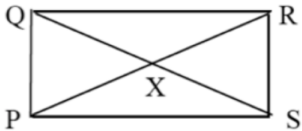and B is the midpoint of $\overline{ED}$.

A   C

E   B   D
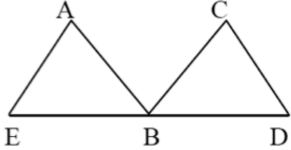
C. $\overline{AB} \perp \overline{BE}$ and $\overline{DE} \perp \overline{BE}$, $\overline{AB} \cong \overline{DE}$, and <BAC $\cong$ <EDC.
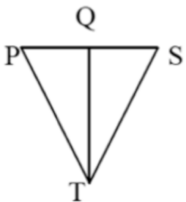
A   D

B   C   E

D. <GKM $\cong$ <LMK and <GMK $\cong$ <LKM.

G   K

M   L
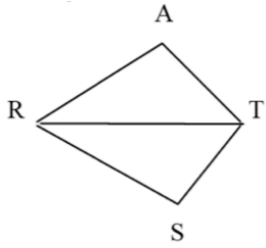
E. $\overline{RQ} \cong \overline{SP}$, and X is the midpoint of both $\overline{QS}$ and $\overline{RP}$.

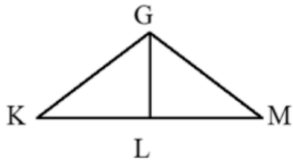Q   R
        X
P   S

F. $\overline{TQ}$ bisects <PTS and $\overline{TQ} \perp \overline{PS}$.
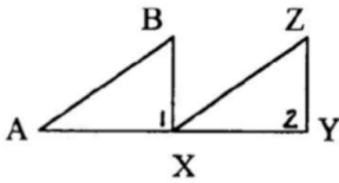
Q
P   S

T

G. $\angle A \cong \angle S$ and $\overline{RT}$ bisects $\angle ARS$.
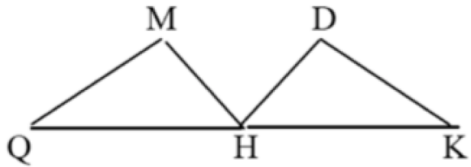

H. $\overline{GL} \perp \overline{KM}$ and $\overline{GK} \cong \overline{GM}$.
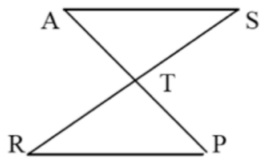

I. $\angle B \cong \angle Z$, X is the midpoint of $\overline{AY}$, and $\angle 1$ and $\angle 2$ are right angles.
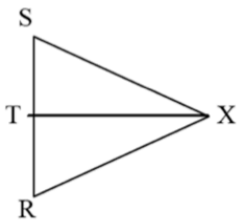

J. $\overline{QM} \cong \overline{KD}$ and $\overline{MH} \cong \overline{DH}$, and H is the midpoint of $\overline{QK}$.
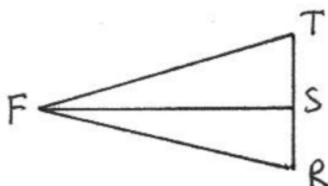

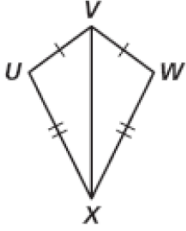**K.** T is the midpoint of $\overline{RS}$ and $\angle A \cong \angle P$

L $\overline{SX} \cong \overline{RX}$ and $\overline{XT}$ bisects $\angle SXR$.
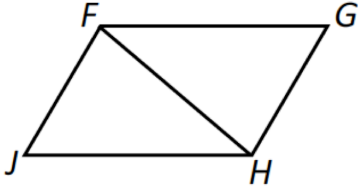

M. $\overline{FT} \cong \overline{FR}$ and $\overline{FS} \perp \overline{TR}$
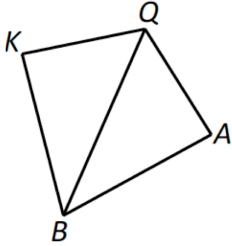
N. Given: $\overline{UV} \cong \overline{WV}$, $\overline{UX} \cong \overline{WX}$
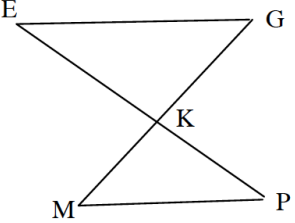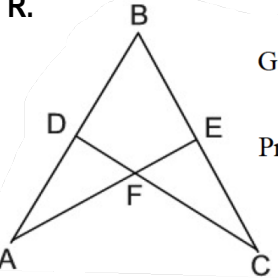Prove: $\angle U \cong \angle W$

O. Given: $\overline{FJ} \cong \overline{GH}$, $\angle JFH \cong \angle GHF$
Prove: $\overline{FG} \cong \overline{JH}$

P. Given: $\overline{QK} \cong \overline{QA}$, QB bisects $\angle KQA$
Prove: $\overline{KB} \cong \overline{AB}$

Q. Given: $\angle E \cong \angle P$
   K is the midpoint of $\overline{EP}$
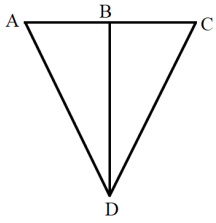Prove: $\overline{EG} \cong \overline{MP}$

R. Given: $\overline{BD} \cong \overline{BE}$
   $\angle A \cong \angle C$
Prove: $\triangle ABE \cong \triangle CBD$

S Given: C bisects $\overline{AE}$
   $\angle B$ and $\angle D$ are right angles
   $\angle A \cong \angle E$

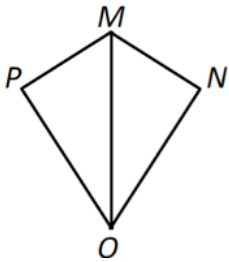Prove: $\overline{BC} \cong \overline{DC}$
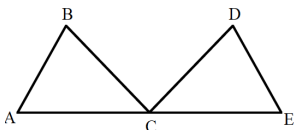
T. Given: $\overline{AC} \perp \overline{BD}$
$\overline{AD} \cong \overline{CD}$
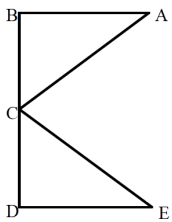
Prove: $\overline{AB} \cong \overline{BC}$

U. Given: $MN \cong MP,\ MP \perp PO,\ MN \perp NO$
Prove: $\angle NOM \cong \angle POM$

V. Given: $\angle BCA \cong \angle DCE$
$\angle B$ and $\angle D$ are right angles
C is the midpoint of $\overline{BD}$

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

W. Given: $\overline{AC} \cong \overline{EC}$
C bisects $\overline{BD}$

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