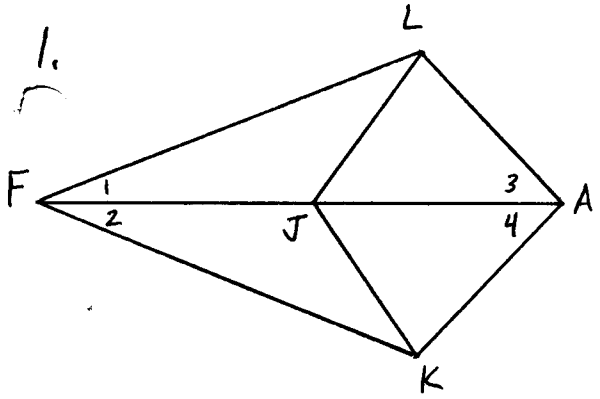
USING MORE THAN ONE PAIR OF CONGRUENT TRIANGLES

1.

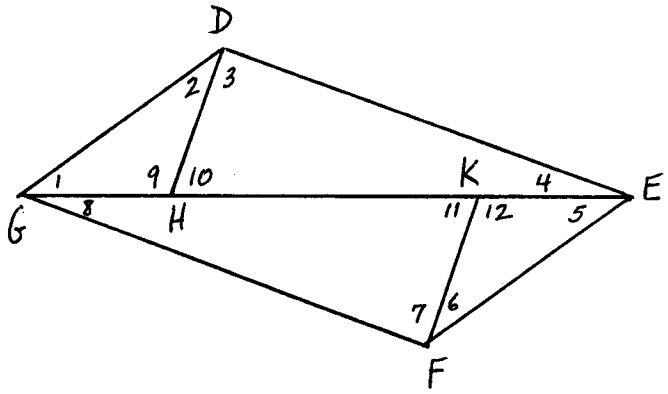


Given $\overline{LF} \cong \overline{FK}$

$\overline{LA} \cong \overline{KA}$

Prove $\overline{LJ} \cong \overline{KJ}$

2.



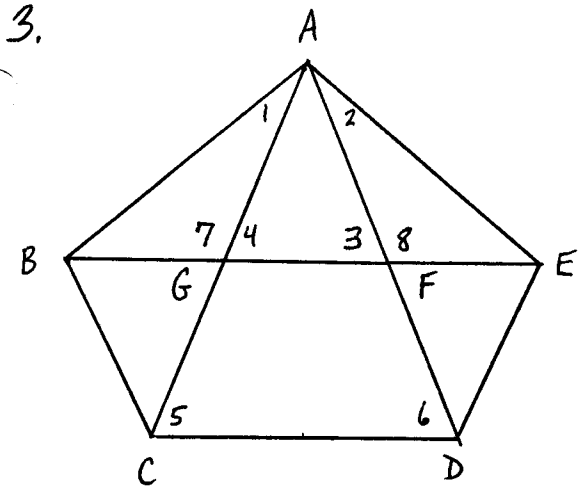
Given $\angle 3$ and $\angle 7$ are right $\angle$s

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

$\overline{GD} \cong \overline{EF}$

Prove $\overline{DH} \cong \overline{FK}$

3.



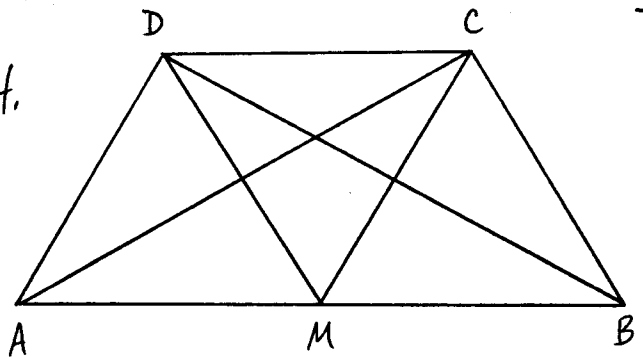
Given $\angle 1 \cong \angle 2$

$\angle 3 \cong \angle 4$

$\angle 5 \cong \angle 6$

Prove $\overline{BC} \cong \overline{ED}$

4.



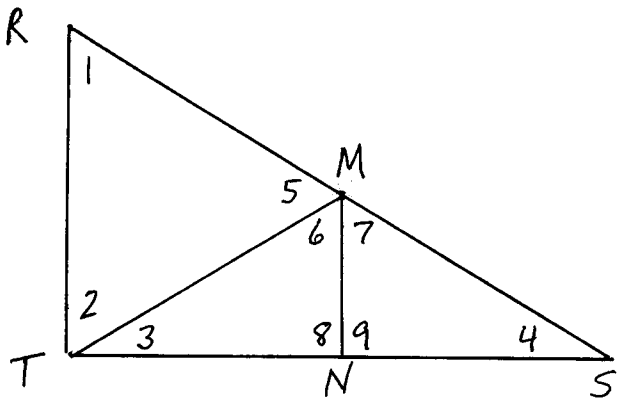
Given $\overline{AM} \cong \overline{MB}$

$\overline{AD} \cong \overline{BC}$

$\angle MDC \cong \angle MCD$

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

★ BONUS ★



Given $\overline{RT} \perp \overline{TS}$, $\overline{MN} \perp \overline{TS}$
N is midpoint of $\overline{TS}$

Prove M is the midpoint of $\overline{RS}$
(Hint: Prove $\overline{RM} \cong \overline{MS}$)