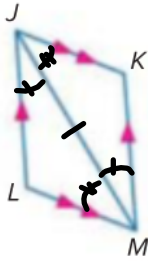


Given: $\overline{JK} \parallel \overline{LM}, \overline{JL} \parallel \overline{KM}$

Prove: $\triangle JML \cong \triangle MJK$

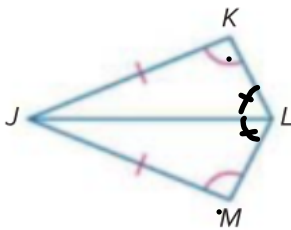


1. Given
 2. $\angle LJM \cong \angle KJM$
 $\angle JML \cong \angle JMK$
 3. $\overline{JM} \cong \overline{JM}$
 4. $\triangle JML \cong \triangle MJK$
1. Given
 2. ASA Thm
 3. reflective Prop.
 4. ASA Post.

3. paragraph proof

Given: $\angle K \cong \angle M, \overline{JK} \cong \overline{JM},$
 \overline{JL} bisects $\angle KLM.$

Prove: $\triangle JKL \cong \triangle JML$

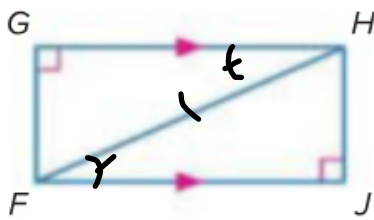


1. Given
 2. $\angle KJL \cong \angle MJL$
 3. $\triangle JKL \cong \triangle JML$
1. Given
 2. Def of bisector
 3. AAS

4. two-column proof

Given: $\overline{GH} \parallel \overline{FJ}$
 $m\angle G = m\angle J = 90$

Prove: $\triangle HJF \cong \triangle FGH$



1. Given
- 2) $\angle GHF \cong \angle JFH$ 2. ASA Thm.
- 3) $\angle G \cong \angle J$ 3. All rt are \cong
4. $\overline{HF} \cong \overline{HF}$ 4. Reflexive
5. $\triangle HJF \cong \triangle FGH$ 5. AAS

AAS
 ASA

