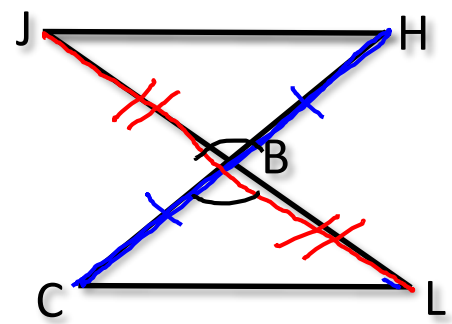


Given: \overline{JL} bisects \overline{HC} , \overline{HC} bisects \overline{JL}

Prove: $\triangle JHB \cong \triangle LCB$



Statements

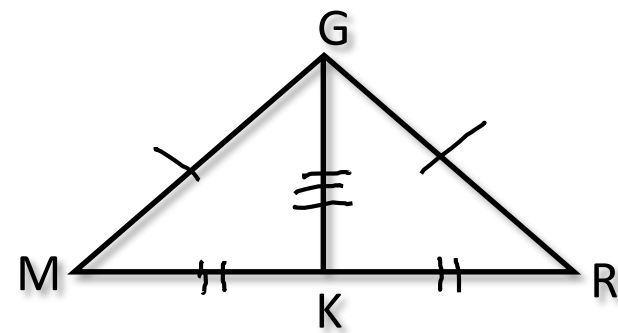
Reasons

- 1) \overline{JL} bisects \overline{HC}
 \overline{HC} bisects \overline{JL}
- 2) $\overline{HB} \cong \overline{BC}$
- 3) $\overline{JB} \cong \overline{BL}$
- 4) $\angle JBH \cong \angle CBL$
- 5) $\triangle JHB \cong \triangle LCB$

- 1) given
- 2) def of bisector
- 3) " " "
- 4) Vertical \angle s \cong
- 5) SAS

Given: $\overline{GM} \cong \overline{GR}$, \overline{GK} bisects \overline{MR}

Prove: $\triangle MGK \cong \triangle RGK$



Statements

Reasons

- 1) $\overline{GM} \cong \overline{GR}$, \overline{GK} bisects \overline{MR}
- 2) $\overline{MK} \cong \overline{RK}$
- 3) $\overline{GK} \cong \overline{GK}$
- 4) $\triangle MGK \cong \triangle RGK$

- 1) given
- 2) def of bisector
- 3) reflexive
- 4) SSS