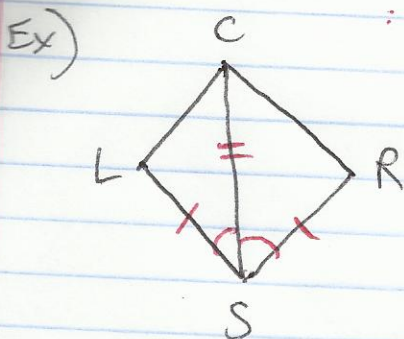


Beam, ~~to~~ \rightarrow B
 Shere \rightarrow C A-Steps

Using $\cong \Delta s$: CPCTC

Corresponding
 Parts
 Congruent
 Triangles
 Congruent

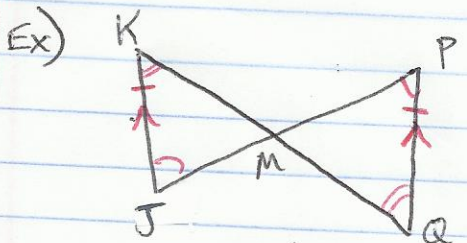
Once we have proof that 2 Δs are \cong we can make conclusions about corresponding parts.



Given: $\overline{SL} \cong \overline{SR}$
 $\angle LSC \cong \angle RSC$

Prove: $\angle LCS \cong \angle RCS$

Statements:	Reasons:
① $\overline{SL} \cong \overline{SR}$; $\angle LSC \cong \angle RSC$	① given
② $\overline{CS} \cong \overline{CS}$	② Reflexive prop. of \cong .
③ $\Delta LSC \cong \Delta RSC$	③ SAS
④ $\angle LCS \cong \angle RCS$	④ CPCTC



Given: $\overline{JK} \parallel \overline{QP}$; $\overline{JK} \cong \overline{QP}$

Prove: \overline{KM} bisects \overline{JP} .

Statements:	Reasons:
① $\overline{JK} \parallel \overline{QP}$; $\overline{JK} \cong \overline{QP}$	① Given
② $\angle K \cong \angle Q$; $\angle J \cong \angle P$	② Alt. Int. $\angle s$ theorem
③ $\Delta JKM \cong \Delta PQM$	③ ASA
④ $\overline{JM} \cong \overline{MP}$	④ CPCTC
⑤ \overline{KM} bisects \overline{JP}	⑤ Def. of bisects