

35 PQST is a rectangle
 $\overline{QR} \cong \overline{VT}$
 $\angle PQR \cong \angle STV$
 $\overline{PQ} \cong \overline{ST}$
 $\triangle PQR \cong \triangle STV$
 $\overline{PR} \cong \overline{VS}$

Given
 Given
 Defn of rectangle
 Defn of rectangle
 SAS
 CPCTC

36 Skip this figure wasn't copied + it's harder than test stuff w/out it. ;)

12 $\triangle TPX \cong \triangle QPQ \cong \triangle QRX \cong \triangle TRX$
 $\overline{TP} \cong \overline{QP} \cong \overline{QR} \cong \overline{TR}$
 TPQR is a rhombus

Given
 CPCTC
 defn of rhombus (all sides \cong)

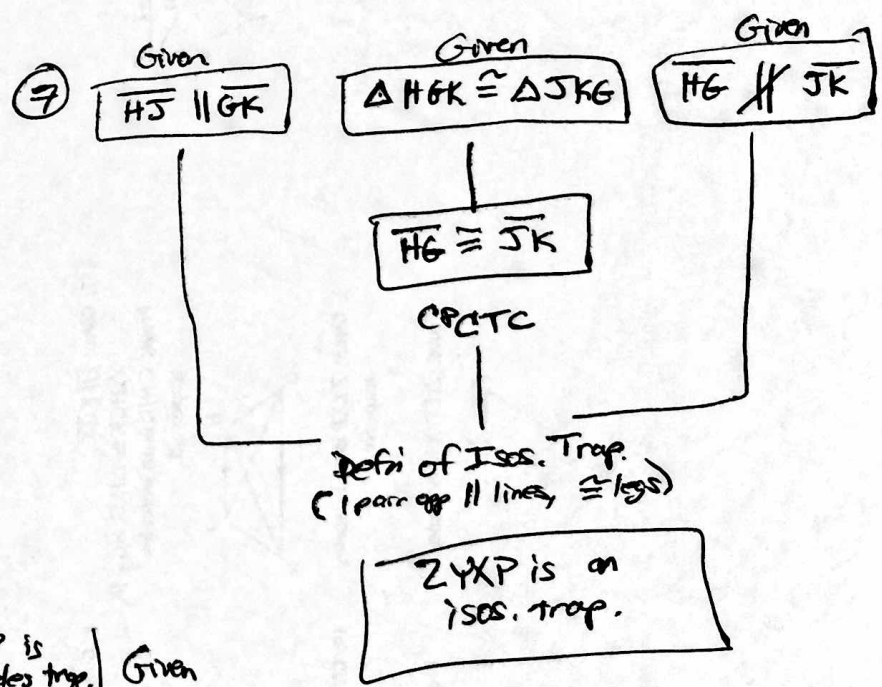
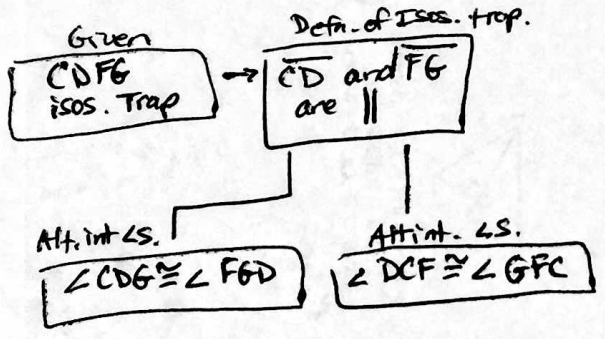
15 $\triangle LGR \cong \triangle MKJ$
 GHJK is a \square
 $\overline{GR} \cong \overline{JK}$
 $\overline{LJ} \cong \overline{GH}$ and $\overline{GR} \cong \overline{JH}$
 $\overline{GR} \cong \overline{GH}$
 GHJK is a rhombus

Given
 Given
 CPCTC
 defn of \square
 transitive
 defn of rhombus (all sides \cong)

11 $\triangle WZY \cong \triangle WXY$
 $\triangle WZY \cong \triangle XYZ$
 $\overline{WZ} \cong \overline{XY}$
 $\overline{WZ} \cong \overline{WX}$
 $\overline{WX} \cong \overline{XY}$
 $\overline{ZY} \cong \overline{YX}$
 WXYZ is a rhombus

Given
 CPCTC
 CPCTC
 transitive
 CPCTC
 defn of rhombus (all sides \cong)

1 CDFG is an isosceles trapezoid w/ \overline{CD} and \overline{FG} as bases
 Flow to prove $\angle DGF \cong \angle CFG$



8 $\triangle TXZ \cong \triangle YXZ$
 $\overline{WX} \parallel \overline{ZY}$
 $\angle 1 \cong \angle 2$
 $\angle XZY \cong \angle ZXT$
 $\overline{TZ} \parallel \overline{XY}$

Given
 Given
 CPCTC
 CPCTC
 Defn of \parallel lines (both pairs alt. int \angle s \cong)

9 ZYXP is isosceles trap.
 $\overline{PX} \cong \overline{PZ}$
 $\overline{PZ} \parallel \overline{XP}$
 $\angle WYZ \cong \angle WZY$
 $\angle WYZ \cong \angle WXP$
 $\angle WZY \cong \angle WXP$
 $\angle WXP \cong \angle WXP$
 $\triangle PXP$ is isosceles

Given
 defn. of isos. trap.
 defn of isos. trap.
 defn. isos. trap.
 Corr \angle s \cong
 Transitive
 Defn of isos. \triangle

10 E and C are midpts of \overline{AD} and \overline{DB}
 $\overline{AE} \cong \overline{ED}$, $\overline{EC} \cong \overline{CD}$
 $\overline{AD} \cong \overline{DB}$
 $\angle A \cong \angle 1$
 $\overline{AB} \parallel \overline{EC}$
 ABCE is isos. trap.

Given
 defn of midpt.
 Given
 Given
 defn. of \parallel lines (corr. \angle s \cong)
 defn of a trap. isosceles.