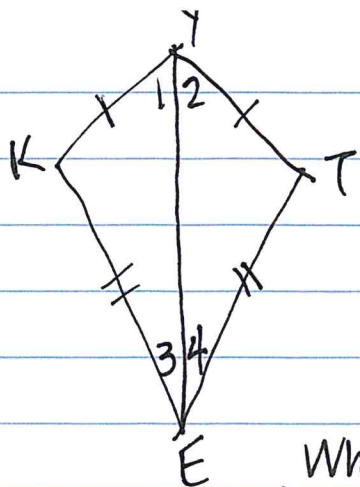


Given:
Kite KYTE with
 $\overline{KY} \cong \overline{TY}$ and $\overline{KE} \cong \overline{TE}$

Show: non-vertex angles are \cong
 \overline{YE} is an angle bisector of the
vertex angles

what	Why
① ?	Given
② ?	Shared side (reflexive property)
③ $\triangle KYE \cong \triangle TYE$?
④ $\angle K \cong \angle T$?
⑤ ? , ?	def of congruent polygons
⑥ ?	def of non-vertex angles
⑦ ?	def of angle bisector



Given: kite $KYTE$
with $\overline{KY} \cong \overline{TY}$ and $\overline{KE} \cong \overline{TE}$

Show: non-vertex angles are \cong
 \overline{YE} is an angle bisector
of the vertex angles

What	Why
①? $\overline{KY} \cong \overline{TY}$ $\overline{KE} \cong \overline{TE}$	Given
②? $\overline{YE} \cong \overline{YE}$	Shared side (reflexive property)
③ $\triangle KYE \cong \triangle TYE$? SSS
④ $\angle K \cong \angle T$? def of congruent polygons
⑤ $\angle 1 \cong \angle 2$, $\angle 3 \cong \angle 4$	Def. of congruent polygons
C-35 C-38 ⑥?	def of non-vertex \angle 's
⑦?	def of angle bisector

Write up C-36-41 on p. 267

HW #15 p 269-271: 1-6, 15