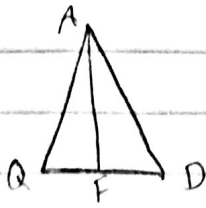


16/16

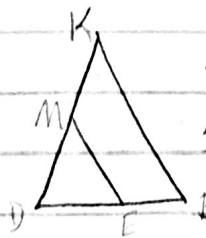
Shared pieces



* AF is in both Δ 's

* I start with one pair of corr. \cong s.

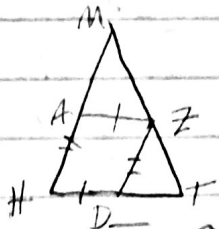
$\overline{AF} \cong \overline{AF} \rightarrow$ anything is \cong to itself
reflexive property



* 2 Δ 's may be \sim

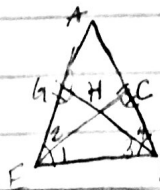
* LD is in both

$\overline{LD} \cong \overline{LD} \rightarrow$ anything \cong to itself



* AZDH is a $\square \rightarrow$ opp sides are \cong (2 pair)

given: $\overline{AZ} \cong \overline{HD}$
 $\overline{AH} \cong \overline{ZD}$

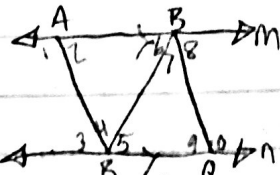


* $\angle AED \cong \angle ADE \rightarrow$ isos Δ has 2 \cong base \angle 's

* $\angle 3 \cong \angle 4 \rightarrow$ bisector creates 2 \cong parts

* $\angle 1 \cong \angle 2 \rightarrow$

given: ΔADE is isos w/ $\angle A$ as vertex
 \overline{DB} is an \angle bisector
 \overline{FC} is an \angle bisector



$\angle 2 \cong \angle 3 \rightarrow$ alt int \cong when lines are \parallel

given: $m \parallel n$