



TOPIC/OBJECTIVE: G5: Triangle & Quadrilateral Proofs
 CONTENT/CLASS: Geometry

NAME: _____

CLASS/PERIOD: 6

DATE: 2/4/16

ESSENTIAL QUESTION:

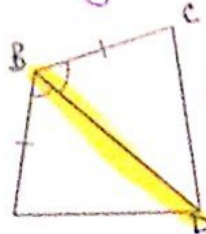
What are some vocab terms we will need for proofs?

QUESTIONS:

NOTES:

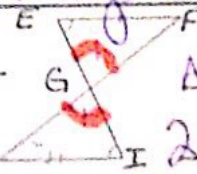
Given - A reason used when what you're stating is marked on a diagram or stated in words as 'given'

Reflexive Property - $\overline{BD} \cong \overline{BD}$



This property is used as a reason when stating 2 things are \cong . (like when Δ s share sides)

Vertical angles - $\angle EGF \cong \angle HGI$



Angles across from each other when 2 lines intersect. They are always \cong .

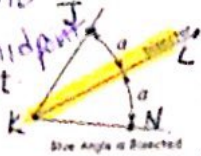
Midpoint

Given: M is midpoint of \overline{AD}
 then $\overline{AM} \cong \overline{MD}$
 by def. of midpoint



The point that divides a line segment exactly in half. The 2 halves created are always \cong

Bisect



When a line, ray or line segment divides a line or angle exactly in half.

The two halves will always be congruent.

Eg: \overline{KM} bisects \overline{AD} . This means $\overline{AM} \cong \overline{MD}$ by def. of bisect

\overline{KE} bisects $\angle JKN$. This means $\angle JKE \cong \angle EKN$ by def. of bisect

SUMMARY: