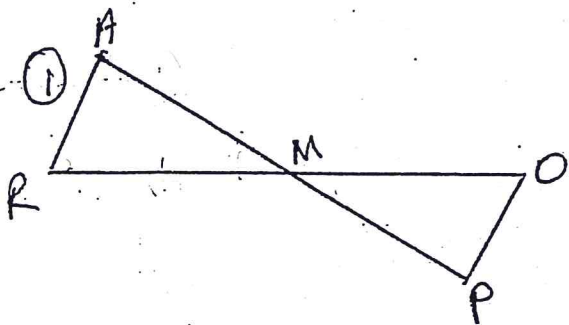


Geometry Worksheet
Chapter 5 Sections 2-4

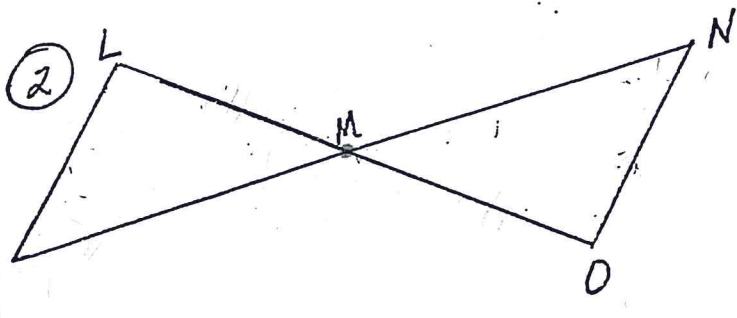
Write on your own paper.
Copy sketches and add
congruence marks based on
information given.

Determine from the information given if the
triangles are congruent. State the
conjecture which tells you the triangles
are congruent.



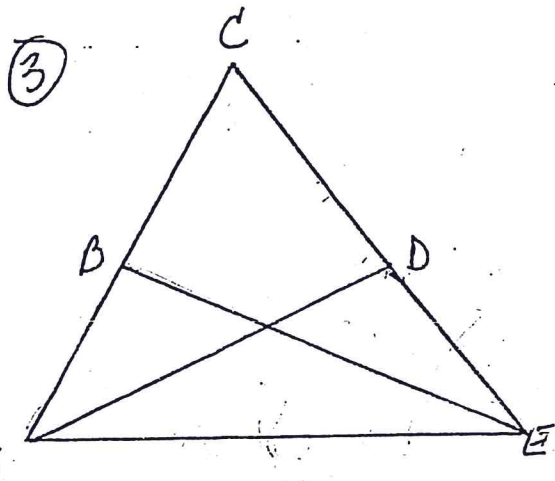
M is the midpoint of RO.

$$\triangle RAM \cong \triangle \underline{\hspace{2cm}}$$



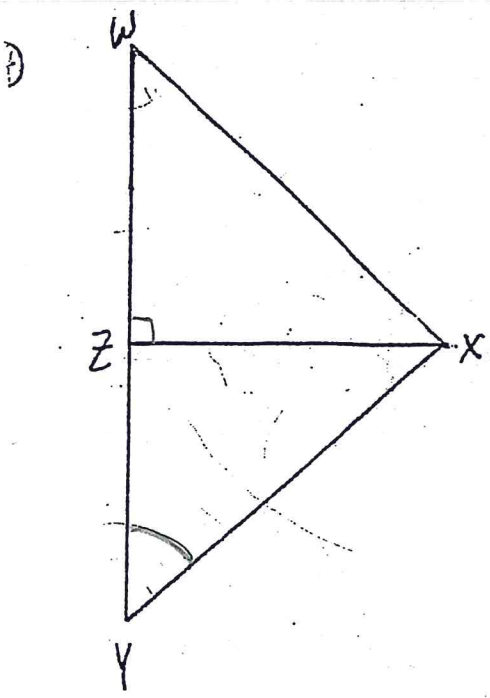
$\overline{KL} \parallel \overline{NO}$ and M is the
midpoint of LO.

$$\triangle KLM \cong \triangle \underline{\hspace{2cm}}$$

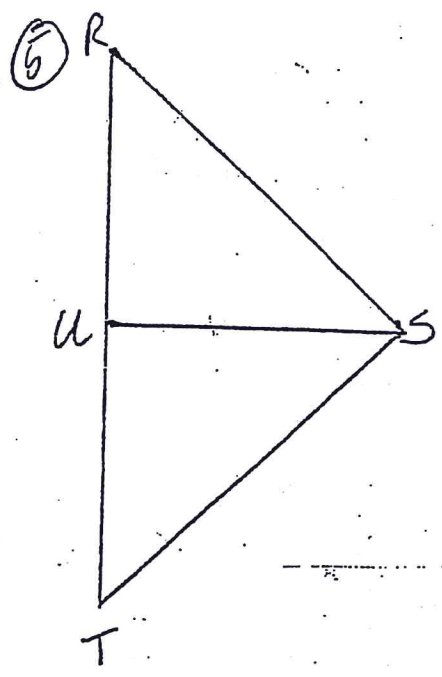


$\triangle ACE$ is isosceles. \overline{AE} is the base.
 BE and AD are medians.

$$\triangle ABE \cong \triangle \underline{\hspace{2cm}}$$

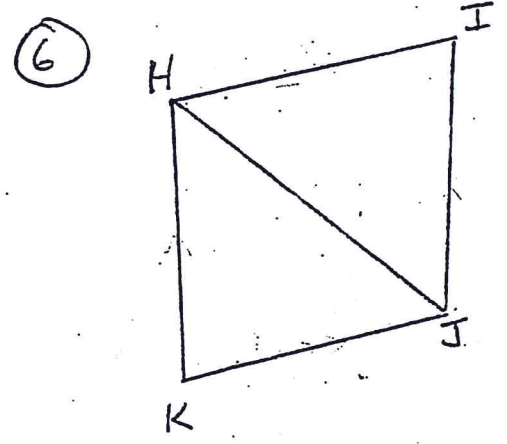


$\overline{WY} \perp \overline{ZX}$, $\triangle WXY$ is isosceles with $\angle X$ as the vertex angle.
 $\triangle WXZ \cong \triangle$ _____



$\triangle RST$ is isosceles. ($\angle S$ is the vertex).
 U is the midpoint of \overline{RT} .

$\triangle RUS \cong \triangle$ _____



$HIJK$ is a parallelogram.

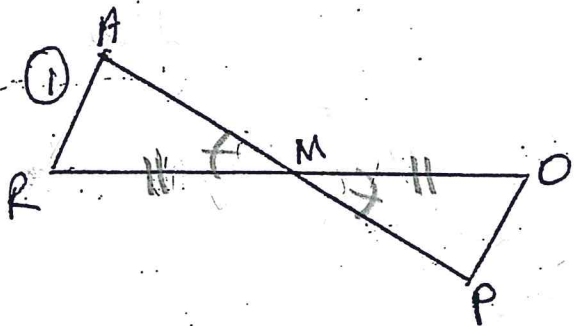
$\triangle HKJ \cong \triangle$ _____

FCBD

Geometry Worksheet Chapter 5 Sections 2-4

Write on your own paper.
Copy sketches and add
congruence marks based on
information given.

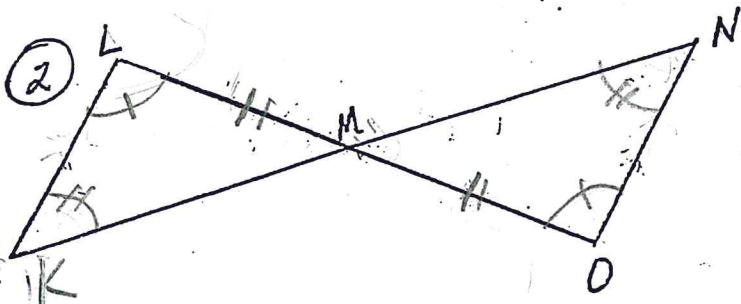
Determine from the information given if the
triangles are congruent. State the
conjecture which tells you the triangles
are congruent.



M is the midpoint of RO.

$$\triangle RAM \cong \triangle \underline{POM}$$

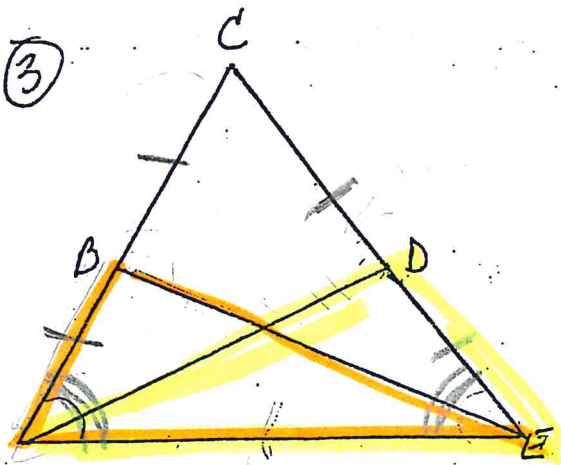
not enough
info



$\overline{KL} \parallel \overline{NO}$ and M is the
midpoint of LN.

$$\triangle KLM \cong \triangle \underline{ONM}$$

ASA or SAA

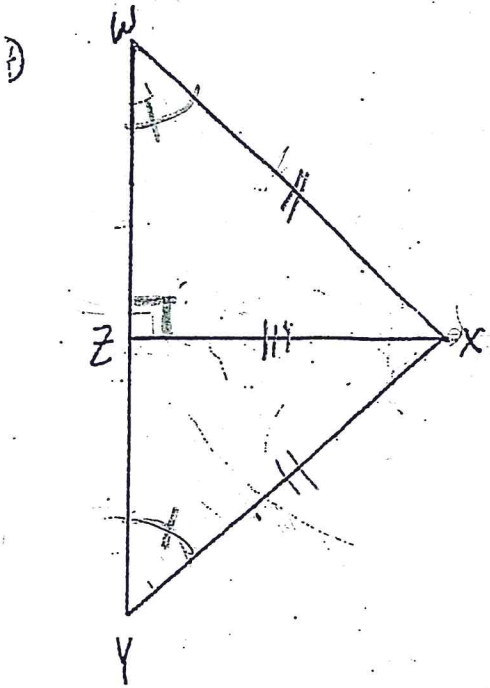


$\triangle ACE$ is isosceles. \overline{AE} is the base.
 \overline{BE} and \overline{AD} are medians.

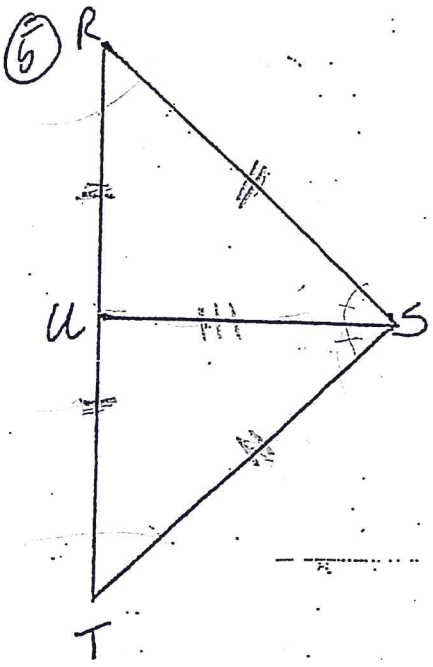
$$\triangle ABE \cong \triangle \underline{EDA}$$

SAS

2



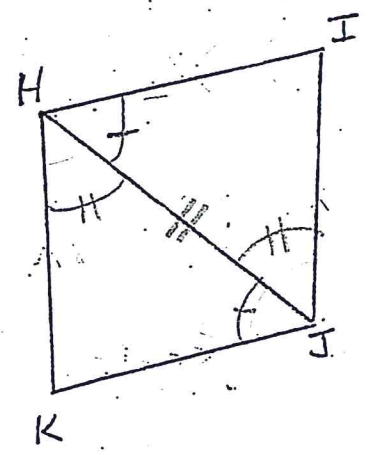
$\overline{WY} \perp \overline{ZX}$, $\triangle WXY$ is isosceles
 with $\angle X$ as the vertex angle.
 $\triangle WXZ \cong \triangle YXZ$
 SAA, AAS



$\triangle RST$ is isosceles. ($\angle S$ is the vertex.)
 U is the midpoint of \overline{RT} .

$\triangle RUS \cong \triangle TUS$
 SSS or SAS

6



$HIJK$ is a
 parallelogram.

$\triangle HKJ \cong \triangle IJH$
 ASA