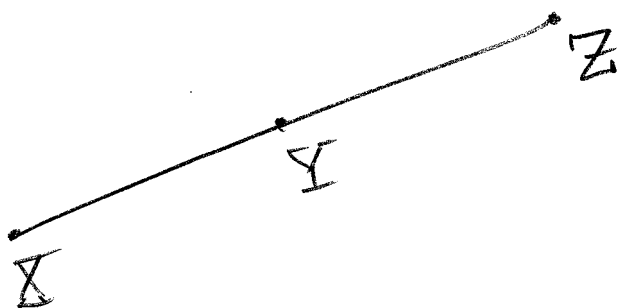


§1.5 #13 (sample #3)

Given: $\overline{XY} \cong \overline{YZ}$

Prove: Y mdpt. $\overline{XZ}$



1. $\overline{XY} \cong \overline{YZ}$

2. Y is between X and Z

3. Y is mdpt. of $\overline{XZ}$

1. G

2. Assumed from diag.

3. Def. mdpt.

□

NOTE: Step 2 is not needed here.
There is no penalty for including it,
but the "best" proof is sample #1.