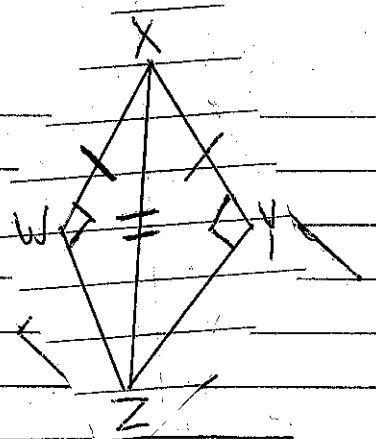


Elias Sharadi

Given: $\angle W$ and $\angle Y$ are rt \angle 's

$$\overline{WX} \cong \overline{YX}$$

Prove: $\overline{WZ} \cong \overline{YZ}$



$\angle W$ and $\angle Y$ are rt \angle 's $\overline{WX} \cong \overline{YX}$

$$\overline{XZ} \cong \overline{XZ}$$

$\triangle XWZ \cong \triangle XYZ$ $\triangle XWZ$ and $\triangle XYZ$
are right \triangle 's

$$\triangle XWZ \cong \triangle XYZ$$

$$\overline{WZ} \cong \overline{YZ}$$

Given

Reflexive

def. of rt. \triangle 's

HL Thm.

C.P.C.T.C