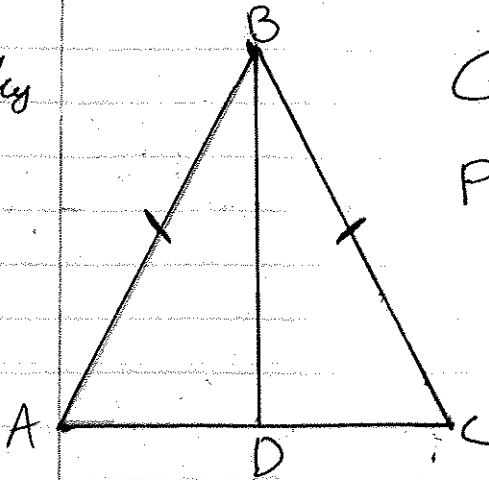


Elle Hatley
#3



Given: $\overline{AB} \cong \overline{BC}$, \overline{BD} bisects \overline{AC}

Prove: $\triangle ABD \cong \triangle CBD$

$\overline{AB} \cong \overline{BC}$, \overline{BD} bisects \overline{AC}
 $\overline{AD} \cong \overline{DC}$
 $\overline{BD} \cong \overline{BD}$
 $\triangle ABD \cong \triangle CBD$

Given
def. of seg. bisector
reflexive
SSS cong. post.