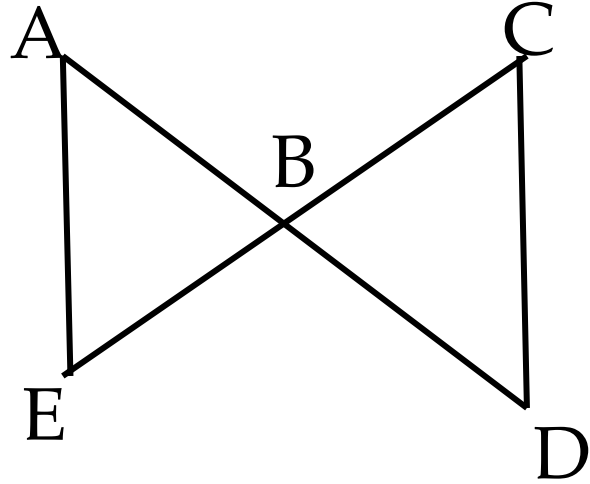


Extra practice problems

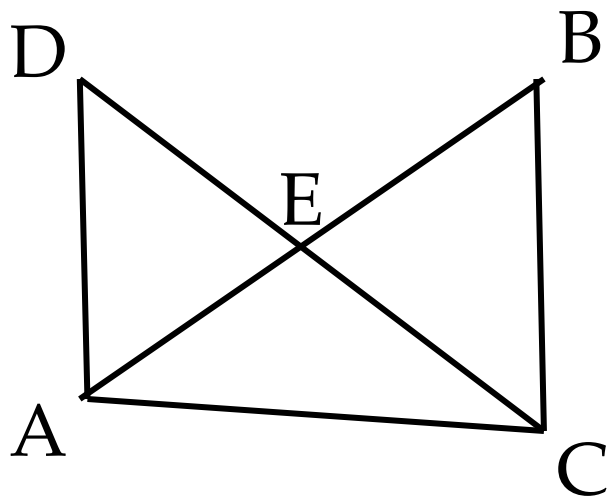
Given: \overline{AD} and \overline{CE} bisect each other
Prove: $\triangle ABE \cong \triangle DBC$



Statement	Reason

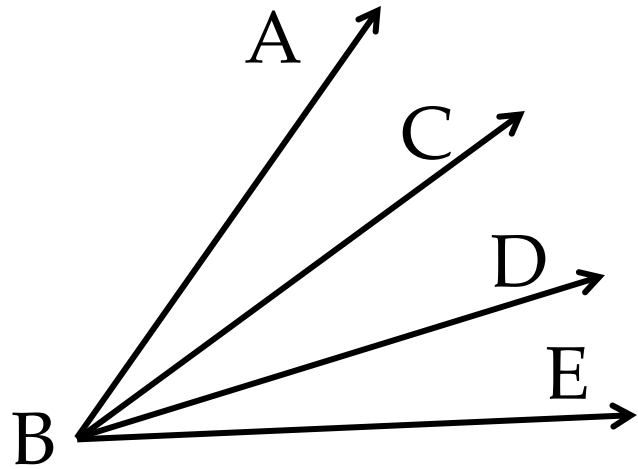
Given: $\overline{BC} \perp \overline{AC}$, $\overline{DA} \perp \overline{AC}$, $\overline{DA} \cong \overline{BC}$

Prove: $\triangle ABC \cong \triangle CDA$

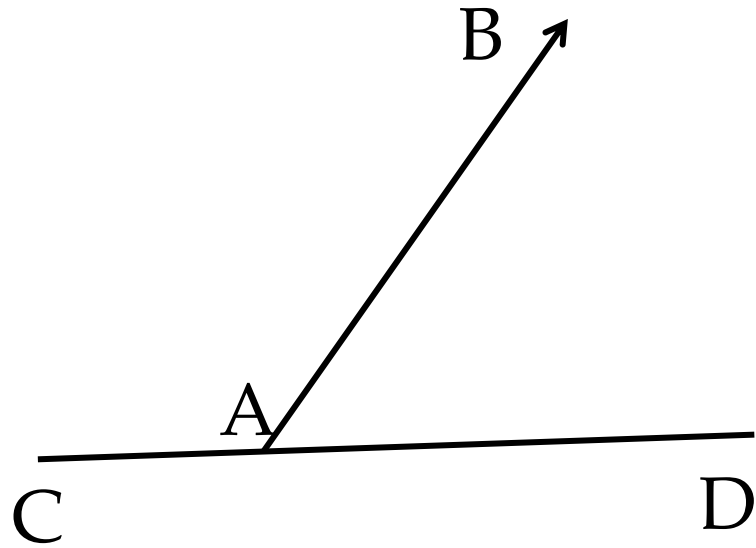


Statement	Reason

\overrightarrow{BD} bisects $\angle CBE$, $\angle ABC = 4x + 2$, $\angle CBD = 3x + 5$, $\angle DBE = 6x - 13$, find $\angle ABE$



\overrightarrow{AB} bisects \overline{CD} ; $\overline{AC} = 2x + 3$, $\overline{AD} = 4x - 1$, find CD



$\angle 1 = 4x + 5$, $\angle 2 = 6x + 5$; find $m \angle 3$

