## Congruent

## Triangles: Missing

## Reasons Activity

## Methods Of Proving 7numg

pirections: Choose the min ing reasons from the bax below cach proof and wrie
 Giver: $B$ is the midpoint of $\overline{\mathrm{AC}}, \overline{\mathrm{AD}}=\overline{\mathrm{CD}}$ Prove: $\triangle \mathrm{DAB} \cong \triangle C D B$
statements
2. $\overline{\mathrm{AB}}=\overline{\mathrm{CB}}$
3. $\overline{\mathrm{DB}}=\overline{\mathrm{DB}}$
4. $\triangle \mathrm{ADB}=\triangle C D B$
4. $\triangle \mathrm{ADB}=\triangle C D B$
Definition of right triangle HL. $\perp$ lines form rightangles Definition of midpoint Refiexive Property Given $S S S$ Given: $\overline{A D}=\overline{C B} ; \overline{A D} \perp \overline{3 C}$ prove: $\triangle A D B=\triangle C B D$
statements








Given: WY and XZ bisect
each other at P
Prove: $\Delta \mathrm{WPX} \cong \Delta \mathrm{YPZ}$
Statements


Given: $\frac{\mathrm{T} \text { is the midpoint of } \overline{\mathrm{SW}} ;}{\mathrm{SR} \| \mathrm{WX}}$
(

Prove: $\overline{\mathrm{AB} \cong \overline{\mathrm{CD}}}$

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