

Sample Proof Blocks

$\overline{XX} \cong \overline{XX}$
 $\overline{XX} \cong \overline{XX}$
 $\overline{XX} \cong \overline{XX}$

SSS
Postulate

$\triangle XXX \cong \triangle XXX$

$\overline{XX} \cong \overline{XX}$
 $\angle XXX \cong \angle XXX$
 $\overline{XX} \cong \overline{XX}$

SAS
Postulate

$\triangle XXX \cong \triangle XXX$

$\angle XXX \cong \angle XXX$
 $\overline{XX} \cong \overline{XX}$
 $\angle XXX \cong \angle XXX$

ASA
Postulate

$\triangle XXX \cong \triangle XXX$

Definition
of an
Angle Bisector

\overline{XX} bisects $\angle XXX$
 $\angle XXX \cong \angle XXX$

CPCTC

$\triangle XXX \cong \triangle XXX$
 $\overline{XX} \cong \overline{XX}$
 $\angle XXX \cong \angle XXX$

Reflexive Property

Picture $\overline{XX} \cong \overline{XX}$
 $\angle XXX \cong \angle XXX$

Definition
of a
Midpoint

X is the midpt of \overline{XX}
 $\overline{XX} \cong \overline{XX}$

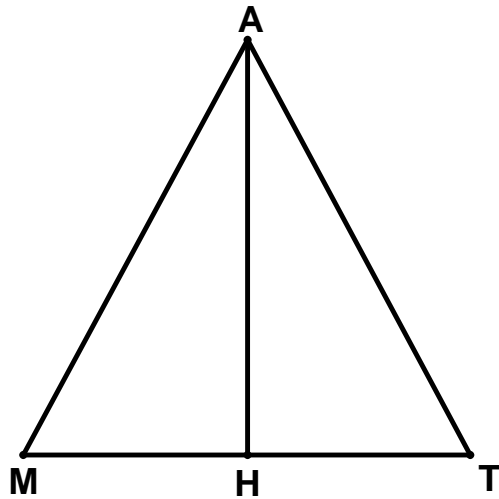
Definition
of
Perpendicular Lines

$\overline{XX} \perp \overline{XX}$
 $\angle XXX \cong \angle XXX$
 or
 $m\angle XXX = 90^\circ$

Definition
of a
Segment Bisector

\overline{XX} bisects \overline{XX}
 $\overline{XX} \cong \overline{XX}$

Sample Proof



Given: $\overline{MT} \perp \overline{AH}$
H is the midpoint of \overline{MT}

Prove: $\triangle MAH \cong \triangle TAH$

