

Geometry

Proof Practice

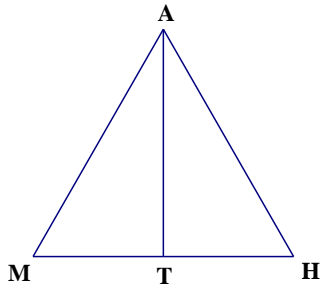
Name _____

Date _____ Hr _____

Given: \overline{TA} bisects $\angle MAH$

$$\overline{AT} \perp \overline{MH}$$

Prove: $\triangle MAT \cong \triangle HAT$

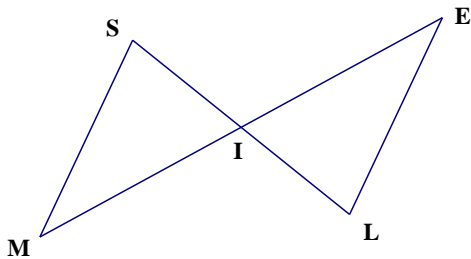


Statements	Reasons
1)	1)
2)	2)
3)	3) 1
4)	4) 2
5)	5) 4
6)	6) diag.
7)	7) 3,5,6

Given: I is midpt of \overline{SL}

$$\overline{SM} \parallel \overline{EL}$$

Prove: $\triangle SIM \cong \triangle LIE$



Statements	Reasons
1)	1)
2)	2)
3)	3)
4)	4)
5)	5)
6)	6)

The second proof has some different ways to complete it. You may add a step or two if necessary.

Mark your diagrams when parts are congruent.

Add numbers to angles when helpful.