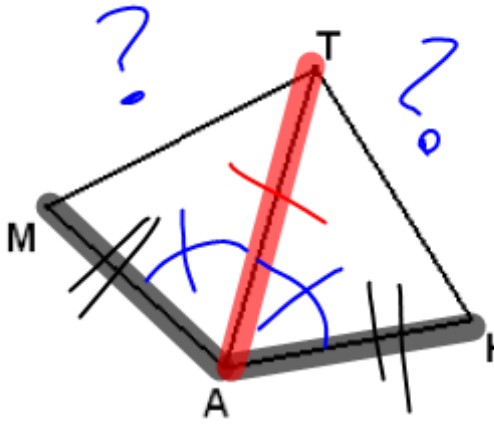
1.)



Given:

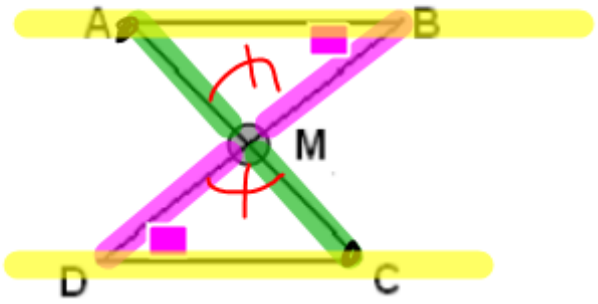
$\overline{MA} \cong \overline{AH}$

$\overline{AT}$ bisects $\angle MAH$

Prove: $\overline{MT} \cong \overline{HT}$

S	R
1)	1) Given
2) $\angle MAT \cong \angle HAT$	2) Def of bisector
3) $\overline{AT} \cong \overline{AT}$	3) Reflexive
4) $\triangle MAT \cong \triangle HAT$	4) SAS (1, 2, 3)
5) $\overline{MT} \cong \overline{HT}$	5) PCP

2.)



Given:

M is the midpoint of $\overline{AC}$ and $\overline{BD}$

Prove: $\overline{AB} \parallel \overline{CD}$

S	R
1	(1) Given
2 $\overline{BM} \cong \overline{DM}$, $\overline{AM} \cong \overline{CM}$	(2) Def of Midpt
3 $\angle AMB \cong \angle CMD$	(3) VAT
4 $\triangle AMB \cong \triangle CMD$	(4) SAS (2,2,3)
5 $\angle B \cong \angle D$	(5) PCP
6 $\overline{AB} \parallel \overline{CD}$	(6) Alt. Int. $\angle$s