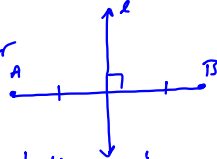
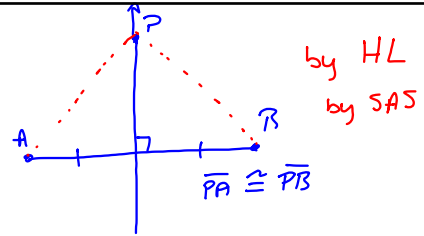


5.1 Perpendiculars and Bisectors

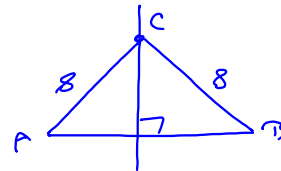
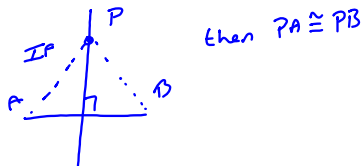
Perpendicular Bisector



line, ray, segment that is \perp to a given segment and bisects the segment

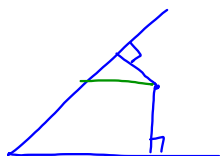


If a point is on the perp bisector, then it is equidistant from the endpoints of the segment

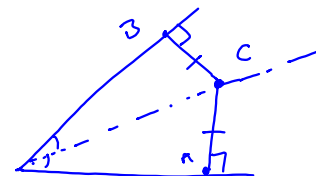


Converse
If $\overline{AC} \cong \overline{BC}$
Then C is on the Perpendicular bisector

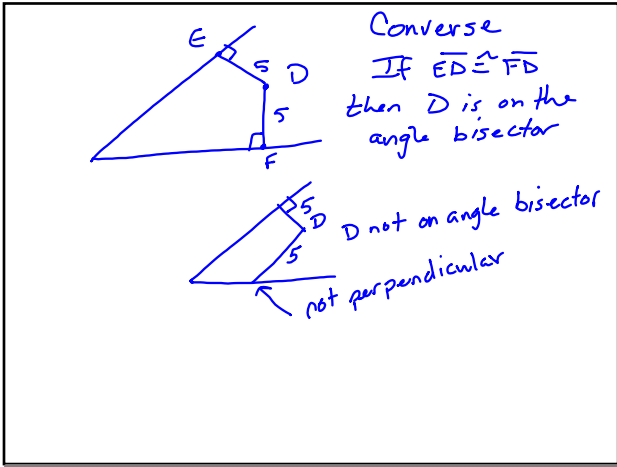
Perpendicular distance



Different Bisectors



If c is on the angle bisector then $AC \cong BC$



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1 - 13, 16-26 all