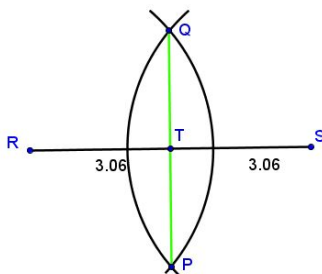


Student Activity Construction 2

Use in connection with the interactive file “construction 2” on the Student’s CD.

Construction 2: To construct the Perpendicular bisector of a segment, using compass and straight edge.

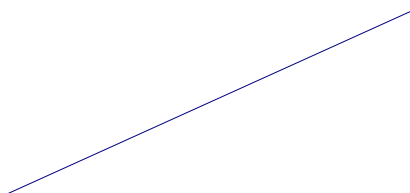


1. Move the slider to the right on the interactive file to make $|RT| = 3.6$.
 Is $|RT| = |TS|$? _____ What can we then conclude about the point T? _____

2. Move the slider to the left on the interactive file to make $|TS| = 3.3$.
 Is $|TS| = |TR|$? _____ What can we then conclude about the point T? _____

3. Construct the perpendicular Bisector of the following line segments. Verify answers

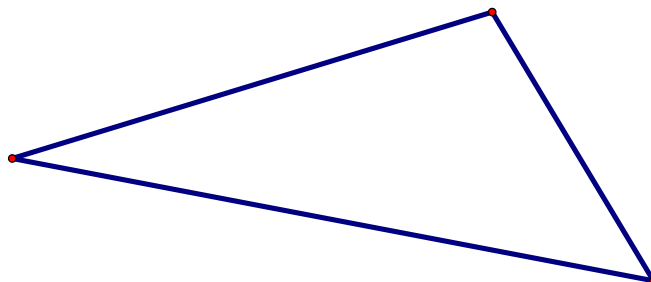
(i)



(ii)



- Construct the perpendicular bisectors of the sides of the triangle.



What do you notice about the three perpendicular bisectors?