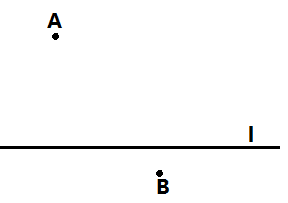
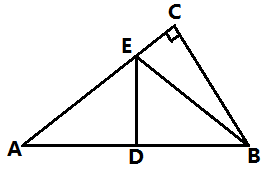
Grade 8 Bil. Math worksheet 5:proof Name: Score:

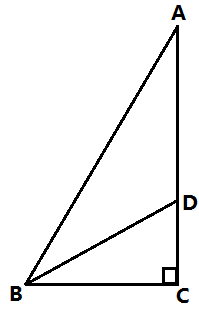
1. As in the graph, A,B are two point and l is a line. Find a point P on l such that PA=PB. Keep your drawing trace.



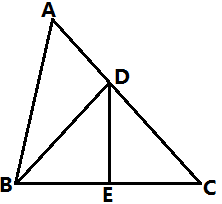
1. In , the perpendicular bisector of AB intersects with AB at D, with AC at E. Find the size of



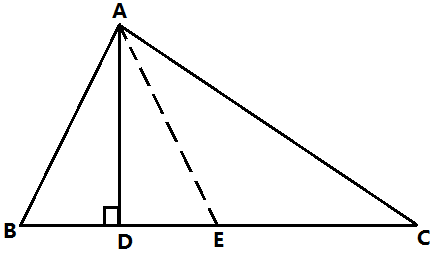
1. In , BD bisects . Prove that D is on the perpendicular bisector line of AB.



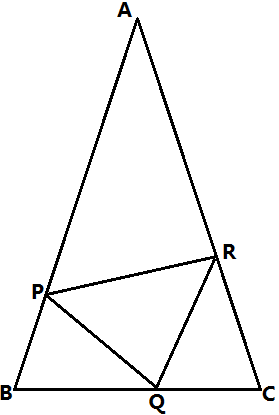
1. In , the perpendicular bisector of BC intersects with AC at D, with BC at E. Prove that AB<AC.



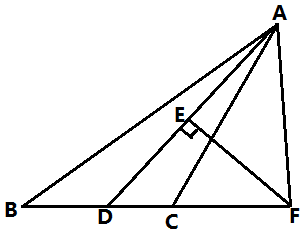
1. In , . Prove that AB+BD=DC



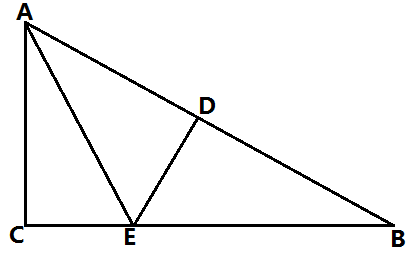
1. In , AB=AC, P, Q, R are points on AB, BC, CA. PB=QC, QB=RC, prove that Q is on the perpendicular bisector line of PR.



1. In , AD bisects , EF is the perpendicular bisector of AD. Prove that



1. In , , , the perpendicular bisector of AB intersects with AB at D, with BC at E. Prove that CE=DE.



1. In , the perpendicular bisector of AB intersects with AC at E. The perimeter of is 8, AC-BC=2. Find the length of AC, BC.

