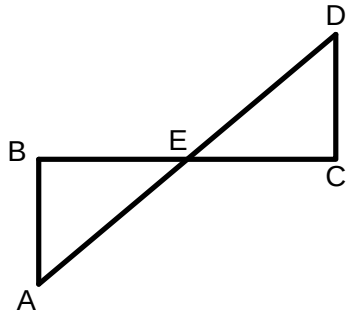
Given: AD bisects BC at E.

AB⊥BC

DC ⊥BC

Prove: AB ≅ DC



There are two triangles ΔABE and ΔEDC in which BE=EC(given), <ABE=<ECD=90^0(given) and

<BEA=<DEC(vertically opposite angels), so ΔABE and ΔEDC are congruent, so AB=DC(as the matching sides)