

- 8. P and Q are points on sides AB and AC respectively of  $\Delta ABC$ . If AP = 3 cm, PB = 6 cm, AQ=5 cm and QC=10 cm, show that BC=3PQ.
- 9. In  $\triangle ABC$ ,  $AD \perp BC$  such that  $AB^2 = BD.CD$ . Prove that ABC is right angled triangle, right angle at A.
- Two right triangles ABC and DBC are drawn on the same hypotenuse BC and on 10. the same side of BC. If AC and BD intersect at P, prove that

 $AP \times PC = BP \times PD$ 

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