Aarambh Classes

Class IX

MTAHS TEST

Lines and angles , Triangles and Circles

Time : 1 hour M.marks : 30

1. In the given figure ABCD , =110,and .Find the value of x .

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2. In a ,,and .If and ,find the values of x and y .
3. In a ,the sides AB and AC are produced to points D and E respectively .The bisectors of and intersect at a point O.Prove that

1. In the given figure ,AM BC and AN is the bisector of .If and ,find .
2. In the given figure , a circle with centre O is given in which a diameter AB bisects the chord CD at a point E such that CE=ED =8 cm and EB =4 cm. Find the radius of the circle .
3. In the adjoining figure ,O is the centre of a circle .If AB and AC are chords of the circle such that AB=AC ,OP AB and OQ AC ,prove that PB =QC .