





















48 In the figure chord AB is extended to meet the tangent  
through C at P.  
a) If 
$$< BCP = x^0$$
, What is the measure of  $< BAC$ ?  
b) Prove that the angles of triangles APC and BPC  
are same?  
c) Prove that PA x PB = PC<sup>2</sup> ?  
49 In the figure chord AB is extended to meet the tangent  
through C at P. PA = 9 cm , AB = 5 cm  
a) What is the length of PB ?  
b) What is the length of PC ?  
50 In the figure chord MN is extended to meet the tangent  
through K at P.  
PK = 8 cm , PN = 4 cm  
a) PM x PN = ........  
b) What is the length of MN ?  
52 In the figure two chords AB and CD are extended  
to meet the tangent through E at P.  
PA = 18 cm , AB = 10 cm , PD = 6 cm  
a) What is the length of PB ?  
b) PC x PD = .......  
c) What is the length of CD ?  
d) What is the length of the tangent PE ?  
54 ATH AS , CHS ANCHACHAVADI , MALAPPURM



