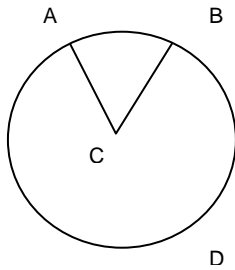


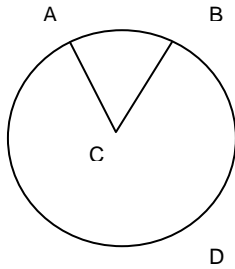
**Algebra 2**  
**Unit: Geometry**  
**Section: Geometry of Circles**

**Review Worksheet**

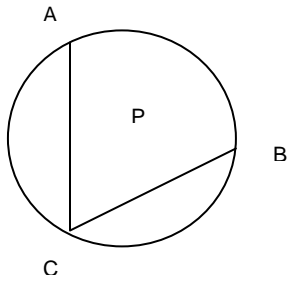
1) In circle C, Arc AB measures 34 degrees. Angle ACB measures  $(3x + 7)$  degrees. Find the value of  $x$ .



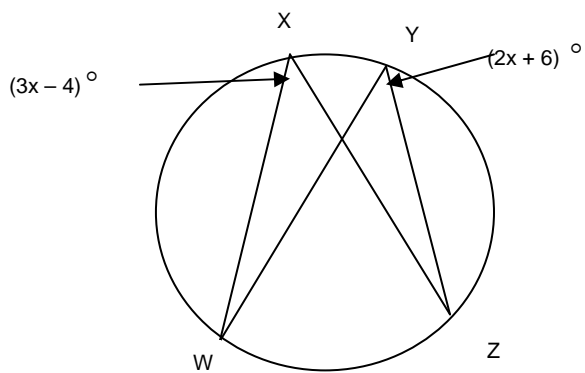
2) In circle C, Arc ADB measures 133 degrees. Angle ACB measures  $5x - 7$  degrees. Find the value of  $x$ .



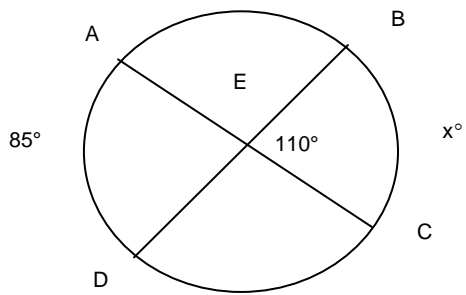
3) Angle ACB measures  $3x + 1$  degrees and arc AB measures  $7x - 5$  degrees. Find the value of  $x$ .



4) Find the measure of angle Y.



5) Find the value of  $x$ .



6) Find the  $m\widehat{DC}$  if  $m\widehat{BC}$  is equal to  $27^\circ$  and angle  $A$  measures  $12^\circ$ .

