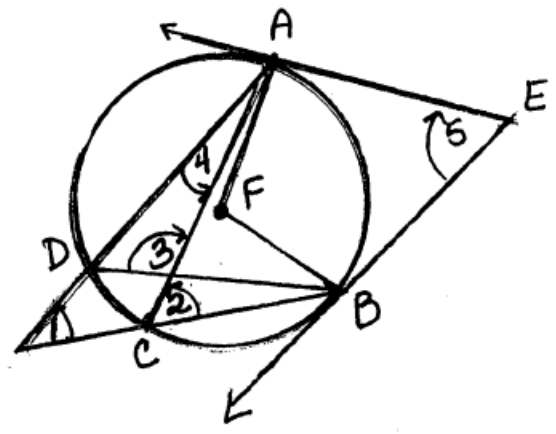


Geometry Second Semester Review
Chapter 9

Name _____

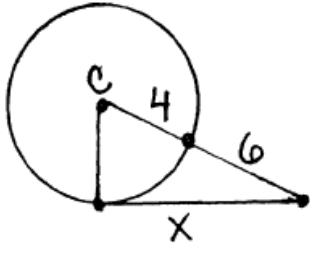
SHOW WORK. Give exact answers in simplest form. No decimals.

1. Given circle F, with $m\widehat{AB} = 110$, $m\widehat{BC} = 90$, and $m\widehat{CD} = 30$. Find $m\angle 1$, $m\angle 2$, $m\angle 3$, $m\angle 4$, $m\angle 5$, $m\angle AFB$, and $m\angle DAE$.

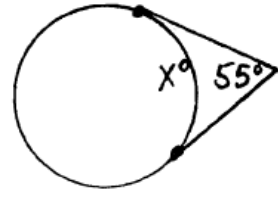


- $m\angle 1 =$
- $m\angle 2 =$
- $m\angle 3 =$
- $m\angle 4 =$
- $m\angle 5 =$
- $m\angle AFB =$
- $m\angle DAE =$

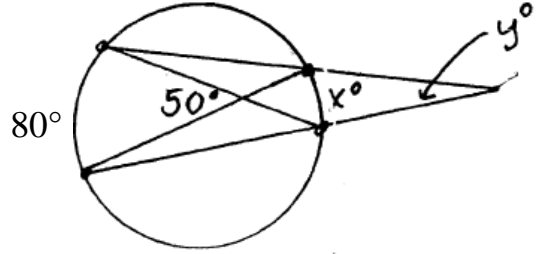
2. Given: circle C. Find x .



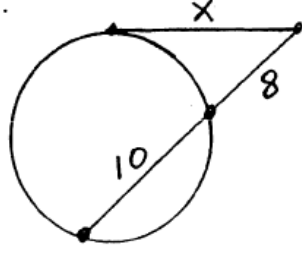
3. Find x .



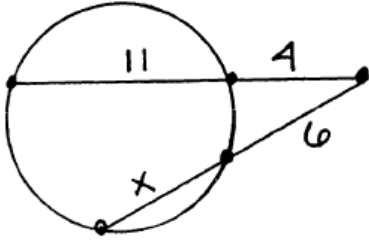
4. Find x and y .



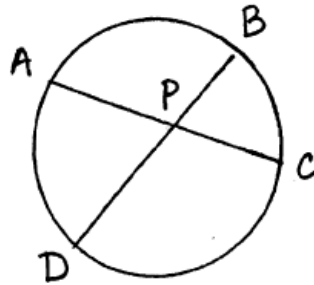
5. Find x .



6. Find x .



7. $AP = 5$, $CP = 4$, $BD = 12$. Find BP .



8. In a circle with radius 15 cm, the center is located 9 cm from a chord. Find the length of the chord.