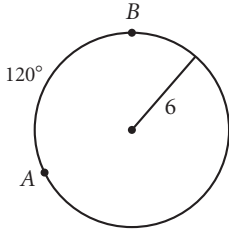


Lesson 6.7 • Arc Length

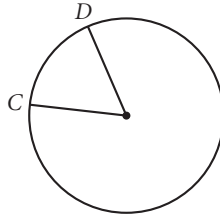
Name _____ Period _____ Date _____

In Exercises 1–10, leave your answers in terms of π .

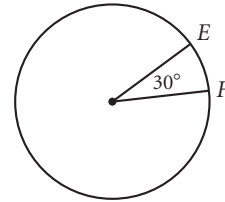
1. Length of \widehat{AB} = _____



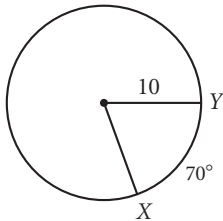
2. The circumference is 24π and $m\widehat{CD} = 60^\circ$. Length of \widehat{CD} = _____



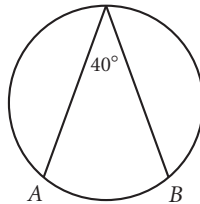
3. The length of \widehat{EF} is 5π . Radius = _____



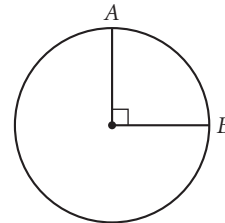
4. Length of \widehat{XY} = _____



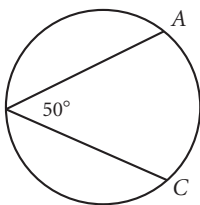
5. The radius is 20. Length of \widehat{AB} = _____



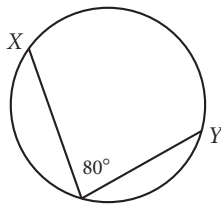
6. The circumference is 25π . Length of \widehat{AB} = _____



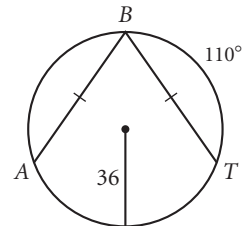
7. The diameter is 40. Length of \widehat{AC} = _____



8. The length of \widehat{XY} is 14π . Diameter = _____



9. Length of \widehat{AB} = _____



10. A circle has an arc with measure 80° and length 88π . What is the diameter of the circle?