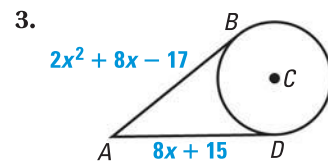
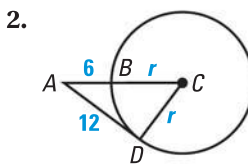
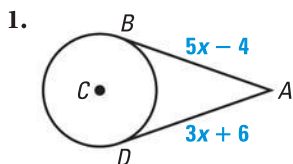
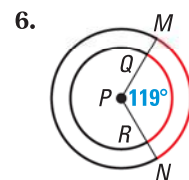
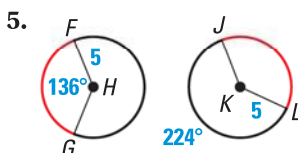
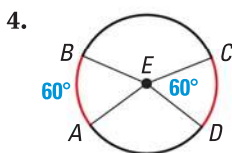


10 CHAPTER TEST

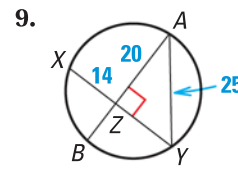
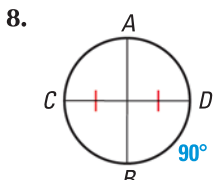
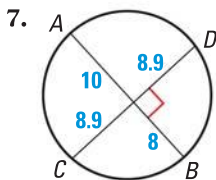
In $\odot C$, B and D are points of tangency. Find the value of the variable.



Tell whether the red arcs are congruent. *Explain* why or why not.

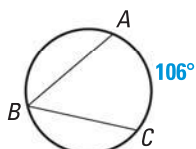


Determine whether $\overline{AB}$ is a diameter of the circle. *Explain* your reasoning.

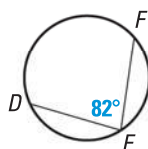


Find the indicated measure.

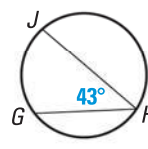
10. $m\angle ABC$



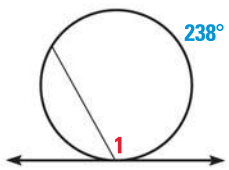
11. $m\widehat{DF}$



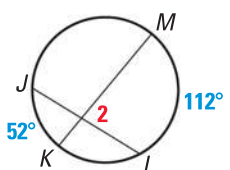
12. $m\widehat{GHJ}$



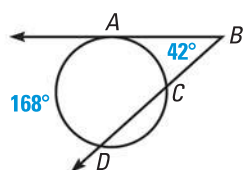
13. $m\angle 1$



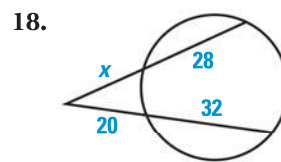
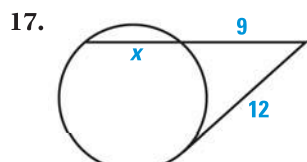
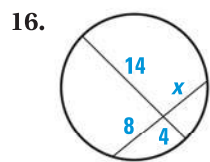
14. $m\angle 2$



15. $m\widehat{AC}$



Find the value of x . Round decimal answers to the nearest tenth.



19. Find the center and radius of a circle that has the standard equation $(x + 2)^2 + (y - 5)^2 = 169$.