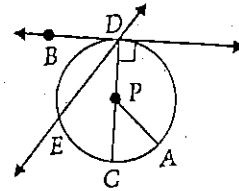


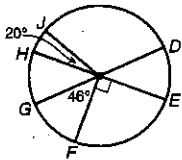
Take this test on your own paper, then check your solutions with the key.

#1-4, Use the diagram at right

1.  $\overleftrightarrow{BD}$  is a ?. 2.  $\overleftrightarrow{ED}$  is a ?.  
 3.  $\overleftrightarrow{ED}$  is a ?. 4.  $\overleftrightarrow{DC}$  is a ?

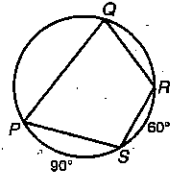


5. Which of these arcs has a measure of  $134^\circ$ ?

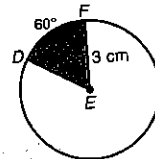


- A  $\overline{FJ}$                       C  $\overline{EG}$   
 B  $\overline{DF}$                       D  $\overline{DH}$

6. Find  $m\angle RSP$ .

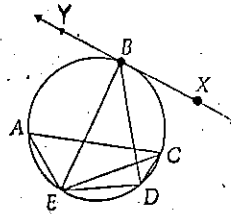


7. Find the area of sector DEF.



#8-14, Use the diagram indicated at right.

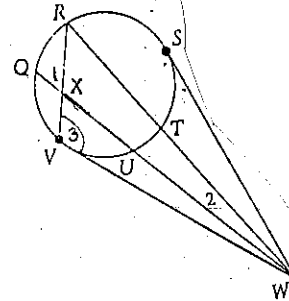
8. If  $\overline{EB}$  is a diameter, then ? is a right angle.



9.  $m\widehat{VR} = 120$ ;  $m\angle 3 =$  ?

10. If  $m\angle CDE = 110$ , then  $m\widehat{CAE} =$  ?

11.  $m\widehat{SV} = 130$ ;  $m\angle VWS =$  ?



12.  $m\widehat{QR} = 70$ ;  $m\widehat{UT} = 32$ ;  $m\angle 2 =$  ?

13.  $m\widehat{VU} = 40$ ;  $m\widehat{QR} = 75$ ;  $m\angle 1 =$  ?

14.  $X =$

15.  $X =$

16.  $ZY = 16$   
 $XW = 14$   
  
 $XZ =$

17. Graph the circle:  $(x - 4)^2 + (y + 3)^2 = 4$

18. Write the equation of the circle with center  $(-1, 6)$  and radius of  $\sqrt{7}$ .

19. The center of a circle is  $(4, -5)$ .  $(2, -8)$  is a point on the circle. Find the radius of circle.

20. Find the length of  $\overline{JK}$ .

