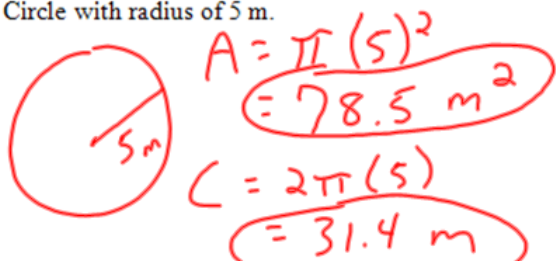


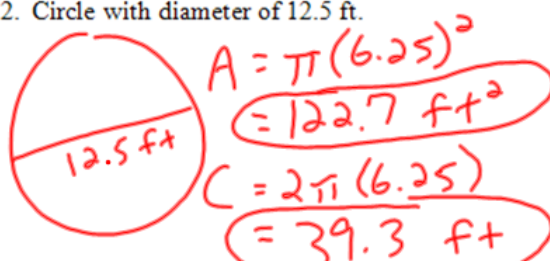
9.4 PRACTICE

Draw the picture. Find the area and circumference. Label your answer! Round to the nearest tenth.

1. Circle with radius of 5 m.

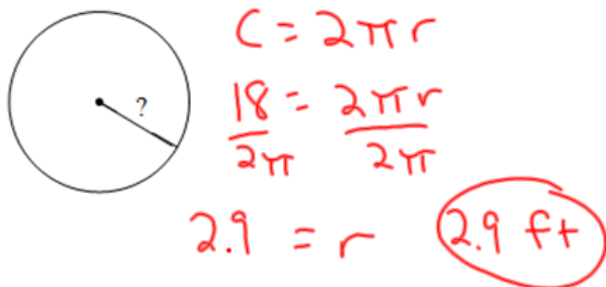


2. Circle with diameter of 12.5 ft.

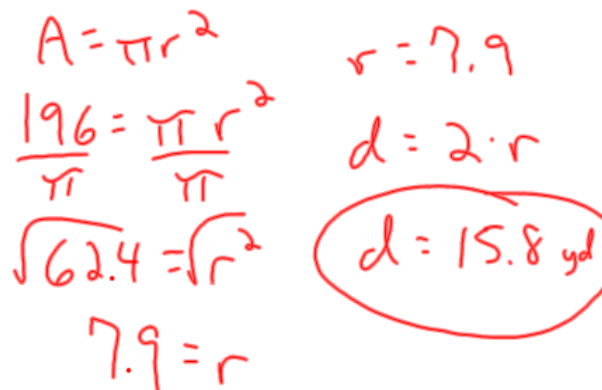


Find the missing part of the circle. Label your answer! Round to the nearest tenth.

3. Find the radius given a circle with circumference 18 ft.

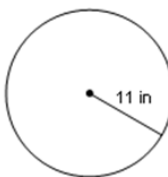


4. Find the diameter given a circle with area 196 yd²



Find the circumference of each. Label your answer! Round to the nearest tenth.

5.



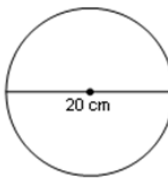
$C = 2\pi(11)$
69.1 in

6. Circle with area of 16.6 cm²

$A = \pi r^2$
 $\frac{16.6}{\pi} = \frac{\pi r^2}{\pi}$
 $\sqrt{5.3} = \sqrt{r^2}$
 $2.3 = r$
 $C = 2\pi(2.3)$
14.4 cm

Find the area of each. Label your answer! Express your answer in terms of pi.

7.



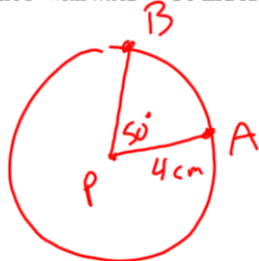
$A = \pi(10)^2$
 $100\pi \text{ cm}^2$

8. Circle with circumference of 24π cm

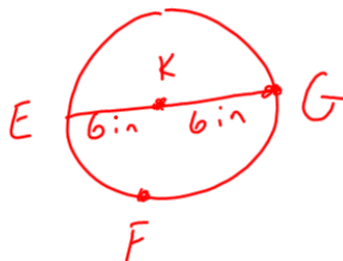
$C = 24\pi$
 $C = 2\pi r$
 $\frac{24\pi}{2\pi} = \frac{2\pi r}{2\pi}$
 $12 = r$
 $A = \pi(12)^2$
 $144\pi \text{ cm}^2$

Draw the following.

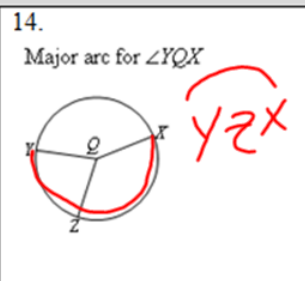
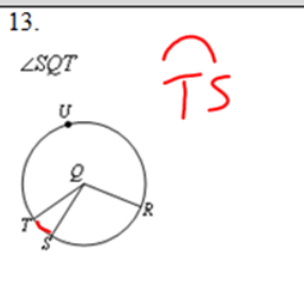
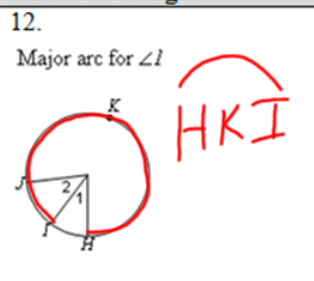
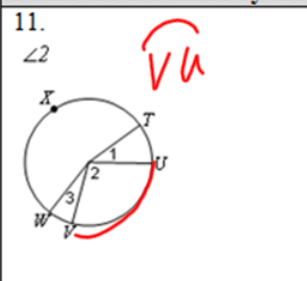
9. Circle P with $m\widehat{AB} = 50$ and radius of 4 cm.



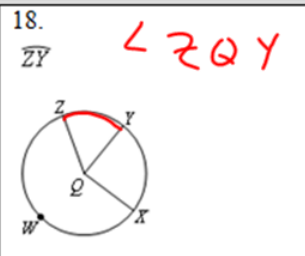
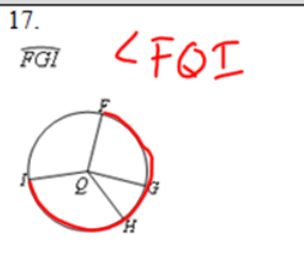
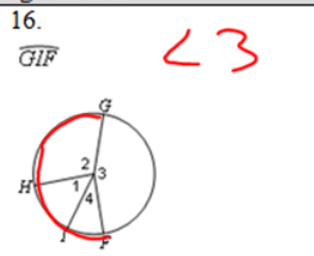
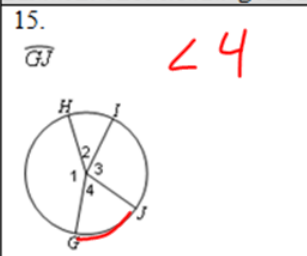
10. Circle K with semicircle \widehat{EFG} and diameter of 12 in.



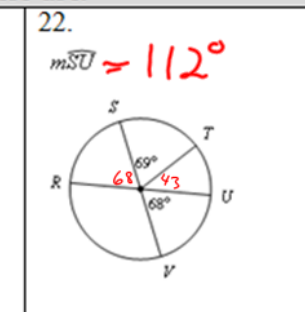
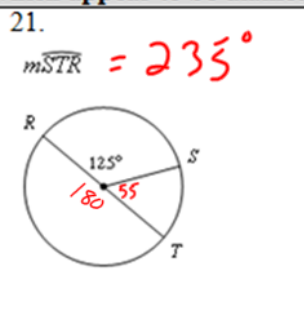
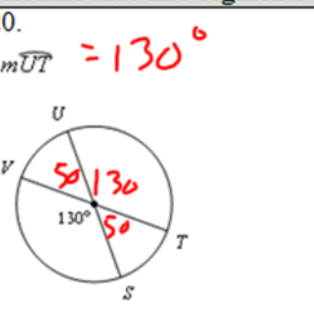
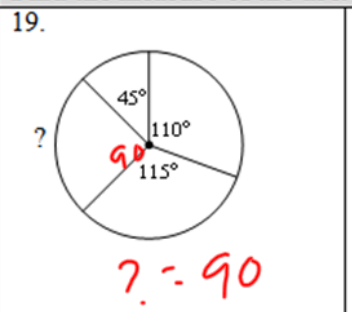
Name the arc made by the given central angle.



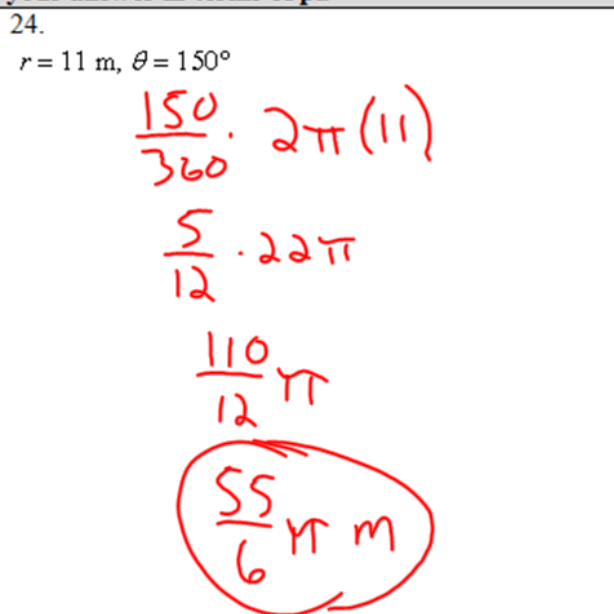
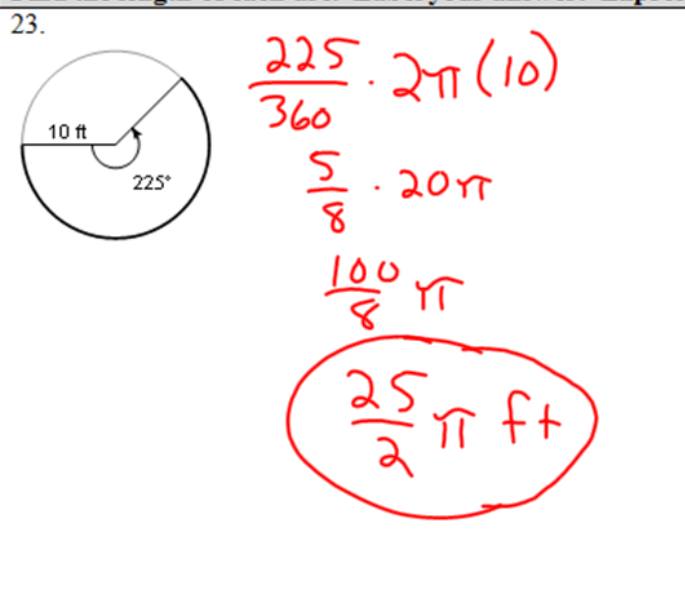
Name the central angle of the given arc.



Find the measure of the arc. Assume that line segments which appear to be diameters are.



Find the length of each arc. Label your answer! Express your answer in terms of pi.



Find the length of each arc. Label your answer! Round to the nearest tenth.

