

Geometry

10-6/7 worksheet

SHOW WORK

Central $\angle =$ arc measure

$C = 2 \cdot \pi \cdot r$

Name _____

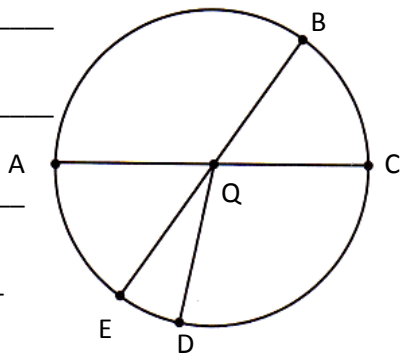
$A = \pi \cdot r^2$

Arc Length = $\frac{\text{Central } \angle}{360} \cdot 2 \cdot \pi \cdot r$

Sector Area = $\frac{\text{Central } \angle}{360} \cdot \pi \cdot r^2$

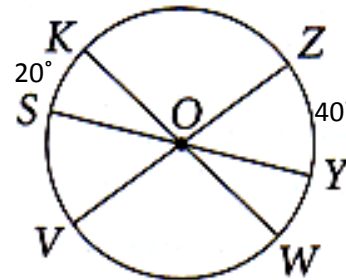
Name an example of each of the following:

1. minor arc _____
2. major arc _____
3. semicircle _____
4. radius _____
5. diameter _____



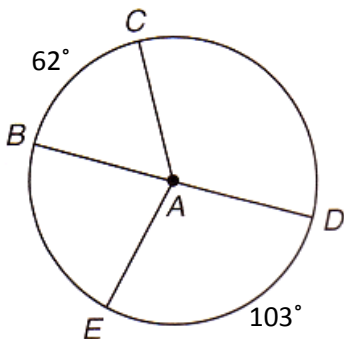
Find each arc measure in the diagram.

6. KZ _____
7. ZWS _____
8. KVV _____
9. KY _____
10. ZVW _____

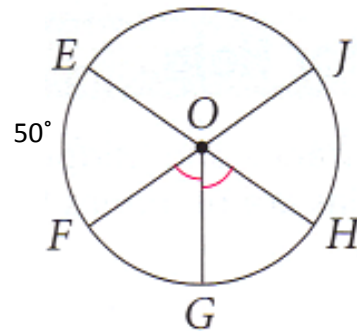


Find the measure of each indicated arc in each diagram.

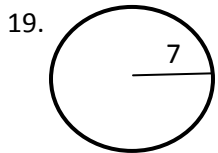
11. CDE _____
12. BCD _____
13. BCE _____
14. EBC _____



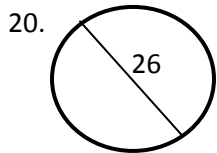
15. FJH _____
16. GE _____
17. JEF _____
18. GEJ _____



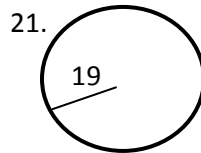
Find the circumference of each circle. Leave your answers in terms of π .



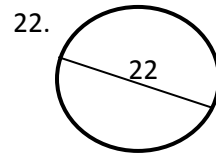
C = _____



C = _____

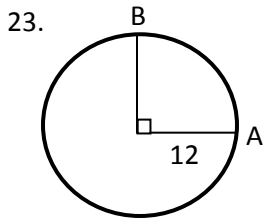


C = _____

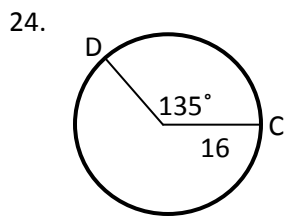


C = _____

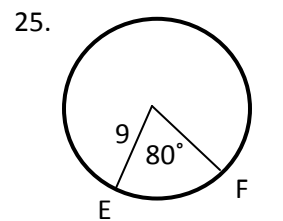
Find each indicated arc length. Leave your answers in terms of π .



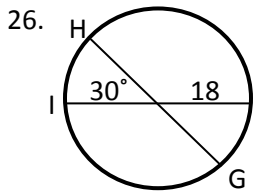
AB = _____



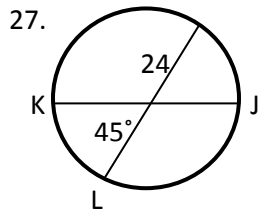
CD = _____



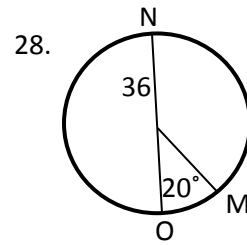
EF = _____



GHI = _____

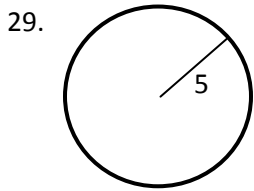


JKL = _____

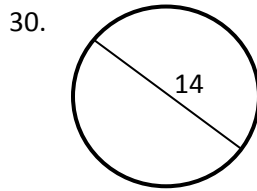


MNO = _____

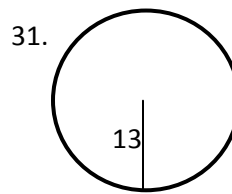
Find the area of each circle. Leave your answers in terms of π .



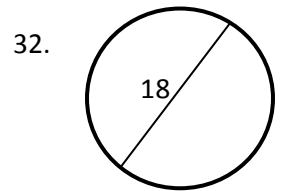
A = _____



A = _____

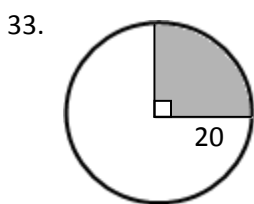


A = _____

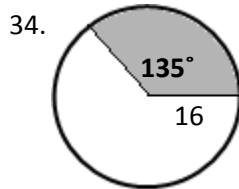


A = _____

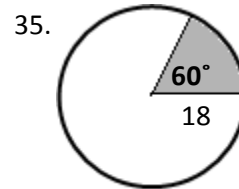
Find the area of each shaded sector. Leave your answers in terms of π .



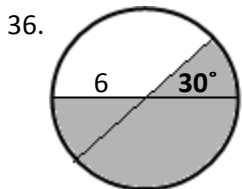
A = _____



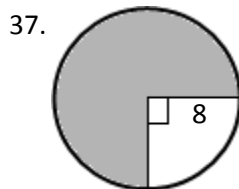
A = _____



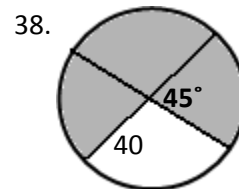
A = _____



A = _____



A = _____



A = _____