NAME _____ DATE _____ SCORE _____

Practice 44
Supplementary Practice

Lessons 11-5, 11-6

Find the circumference and area. Leave each answer in terms of π.

1. $r = 6$

$C =$ _____

$A =$ _____

2. $d = 10$

$C =$ _____

$A =$ _____

3. Find the circumference and area, correct to the nearest tenth, of a circle with diameter 4.2. Use $\pi \approx 3.14$.

$C =$ _____, $A =$ _____

4. Find the circumference and area of a circle with radius $1\frac{3}{11}$. Use $\pi \approx \frac{22}{7}$.

$C =$ _____, $A =$ _____

5. The area of a circle is 48π. Find the circumference. _____

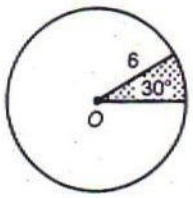
6. The area of sector AOB is 36π and $m\angle AOB = 40$. Find the radius of $\odot O$. _____

7. A dog's leash is tied to a post in the ground, leaving the dog free to roam over a circular region. If the leash is 6.5 m long, find the area of the region to the nearest square meter. Use $\pi \approx 3.14$.

_____

In Exercises 8 and 9, O is the center of the circle. Find the arc length and area of each shaded sector.

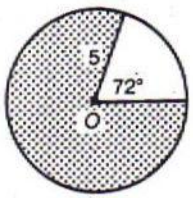
8.



arc length = _____

area = _____

9.

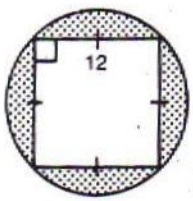


major arc length = _____

area = _____

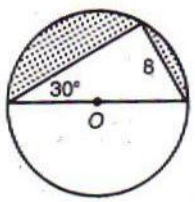
Find the area of each shaded region. In Exercise 11, O is the center of the circle.

10.



area = _____

11.



area = _____

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