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Period:

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HW 6-2

Area and Circumference
of Circles

Unit 6

Int 1

Instructions: Find the area and circumference of each circle using the information provided. Round all of your answers to the tenths place. Don't forget to label your answers with the appropriate unit of measure. ***SHOW YOUR WORK FOR EACH PROBLEM!***

1. A radius of 9 cm.

Circum.: 56.5 cmArea: 254.5 cm²

3. A radius of 10.5 cm.

Circum.: _____

Area: _____

5. A radius of 2 in.

Circum.: 12.6 inArea: 12.6 in²

2. A diameter of 24 in.

Circum.: _____

Area: _____

4. A diameter of 125 ft.

Circum.: 392.7 ftArea: 12,271.8 ft²

6. A diameter of 8 cm.

Circum.: _____

Area: _____

Find the area and circumference of **half** circles for #7-9 using the information provided.

7. A radius of 35 ft.

Circum.: 110.0 ft

Area: _____

8. A diameter of 12.4 m

Circum.: _____

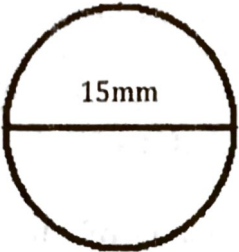
Area: 60.4 m²

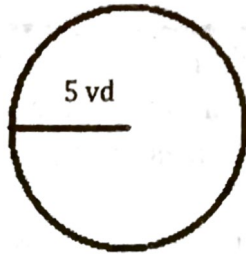
9. A radius of 21.25 in.

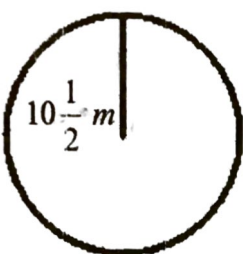
Circum.: 66.8 in

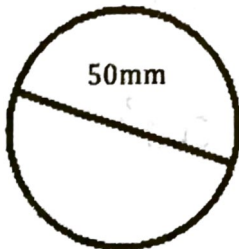
Area: _____


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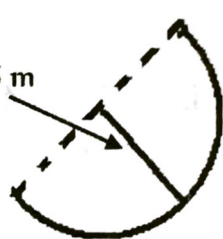
10.  Circum.: 47.1 mm
Area: _____

13.  Circum.: _____
Area: 78.5 yd²

11.  Circum.: 66.0 m
Area: _____

14.  Circum.: _____
Area: 1963.5 mm²

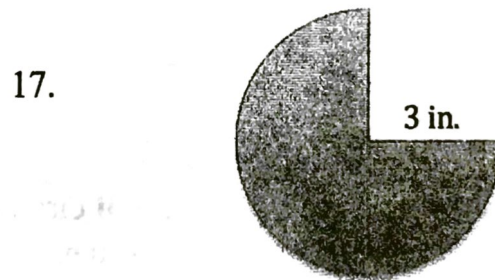
12.  Circum.: 15.4 cm
Area: _____

15.  Circum.: _____
Area: 47.5 m²



The Japanese flag is white with a red circle in the center. The flag is 6 feet long and 4 feet high, and the circle has a diameter that is one-fourth of the flag's length. What is the area of the white part of the flag? (Round to the nearest hundredth)

22.23 ft²



On the Pacman shown above, the distance from the center to the edge measures 3 inches. Calculate the perimeter of Pacman to the nearest hundredth of an inch.