

HW 6-2

Area and Circumference
of Circles

Unit 1

Unit 6

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 cm

Area: _____

3. A radius of 10.5 cm.

Circum.: _____

Area: 346.2 cm²

5. A radius of 2 in.

Circum.: 12.6 in

Area: _____

2. A diameter of 24 in.

Circum.: _____

Area: 452.2 in²

4. A diameter of 125 ft.

Circum.: 392.5 ft

Area: _____

6. A diameter of 8 cm.

Circum.: _____

Area: 50.2 cm²

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

7. A radius of 35 ft.

Circum.: 109.9 ft

Area: _____

8. A diameter of 12.4 m

Circum.: _____

Area: 60.4 m²

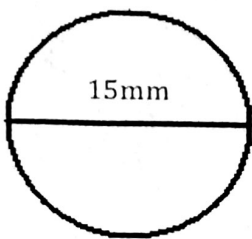
9. A radius of 21.25 in.

Circum.: 66.7 in

Area: _____

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!***

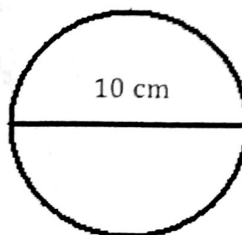
10.



Circum.: 47.1 mm

Area: _____

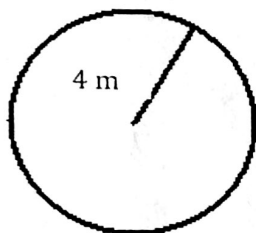
13.



Circum.: _____

Area: 78.5 cm²

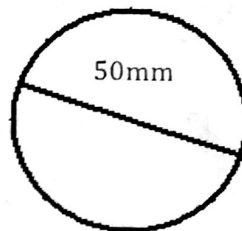
11.



Circum.: _____

Area: 50.2 m²

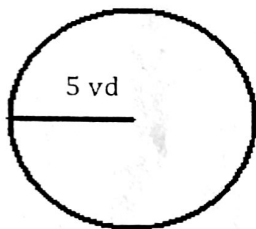
14.



Circum.: 157 mm

Area: _____

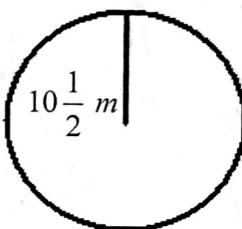
12.



Circum.: 31.4 yd

Area: _____

15.

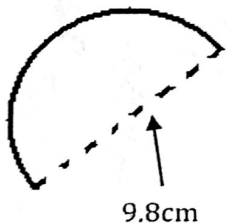


Circum.: _____

Area: 346.2 m²

For the remaining question, find the area and circumference of **half** circles.

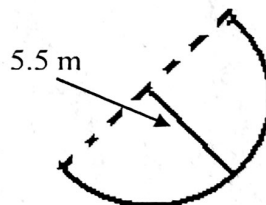
16.



Circum.: 15.4 cm

Area: _____

17.



Circum.: _____

Area: 47.5 m²

18. A radius of 4.9 cm

Circum.: 15.4 cm

Area: _____

19. A diameter of 7 km

Circum.: _____

Area: 19.2 km²

20. A radius of 2.5 ft

Circum.: 7.9 ft

Area: _____