

NAME: \_\_\_\_\_

Period: \_\_\_\_\_

SCORE: \_\_\_\_\_

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**HW 6-2**  
**Area and Circumference**  
**of Circles**

**Int 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.: \_\_\_\_\_

Area: \_\_\_\_\_

3. A radius of 10.5 cm.

Circum.: \_\_\_\_\_

Area: \_\_\_\_\_

5. A radius of 2 in.

Circum.: \_\_\_\_\_

Area: \_\_\_\_\_

2. A diameter of 24 in.

Circum.: \_\_\_\_\_

Area: \_\_\_\_\_

4. A diameter of 125 ft.

Circum.: \_\_\_\_\_

Area: \_\_\_\_\_

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.: \_\_\_\_\_

Area: \_\_\_\_\_

8. A diameter of 12.4 m

Circum.: \_\_\_\_\_

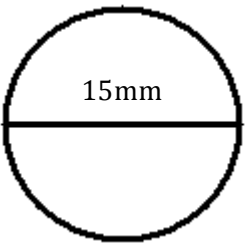
Area: \_\_\_\_\_

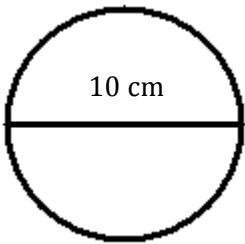
9. A radius of 21.25 in.

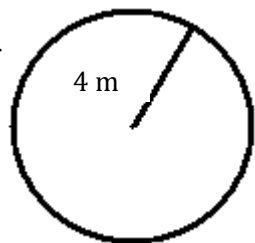
Circum.: \_\_\_\_\_

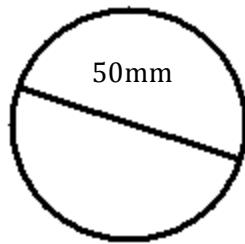
Area: \_\_\_\_\_

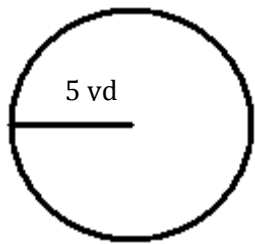
**Instructions:** Find the area and circumference of each circle using the information provided. Round all of your answers to the tenths place. Don't forget to label your answers with the appropriate unit of measure. **\*SHOW YOUR WORK FOR EACH PROBLEM!\***

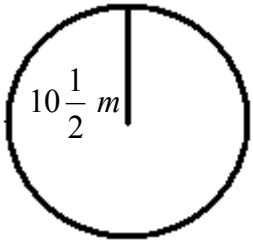
10.  Circum.: \_\_\_\_\_  
Area: \_\_\_\_\_

13.  Circum.: \_\_\_\_\_  
Area: \_\_\_\_\_

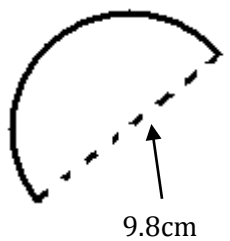
11.  Circum.: \_\_\_\_\_  
Area: \_\_\_\_\_

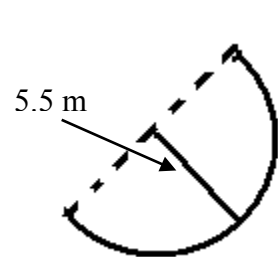
14.  Circum.: \_\_\_\_\_  
Area: \_\_\_\_\_

12.  Circum.: \_\_\_\_\_  
Area: \_\_\_\_\_

15.  Circum.: \_\_\_\_\_  
Area: \_\_\_\_\_

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

16.  Circum.: \_\_\_\_\_  
Area: \_\_\_\_\_

17.  Circum.: \_\_\_\_\_  
Area: \_\_\_\_\_

18. A radius of 4.9 cm  
Circum.: \_\_\_\_\_  
Area: \_\_\_\_\_

19. A diameter of 7 km  
Circum.: \_\_\_\_\_  
Area: \_\_\_\_\_

20. A radius of 2.5 ft  
Circum.: \_\_\_\_\_  
Area: \_\_\_\_\_