

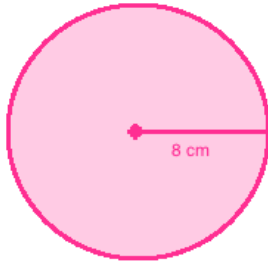
Name: _____

Period: _____ Date: _____

Circumference and Area of Circles **Answers**

Section I. Find the circumference/perimeter (don't forget to use the correct units)

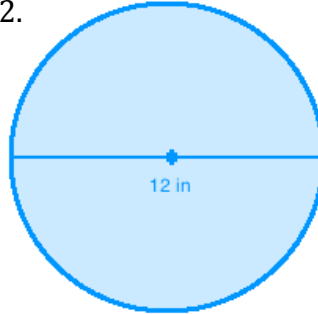
1.



$$C = 16\pi \text{ cm}$$

or
50.24cm

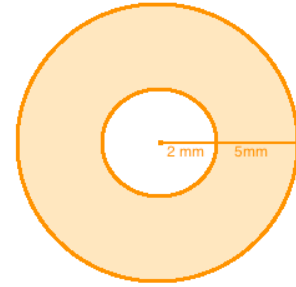
2.



$$C = 12\pi \text{ in}$$

or
37.68in

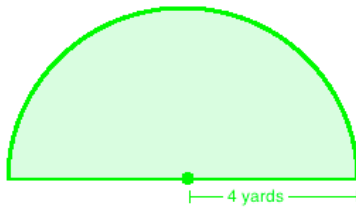
3.



$$C = 18\pi \text{ mm}$$

or
56.52mm

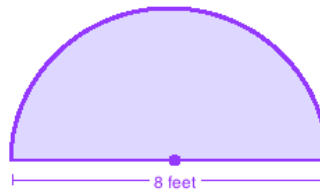
4.



$$P = 4\pi + 8 \text{ yds}$$

or
20.56yds

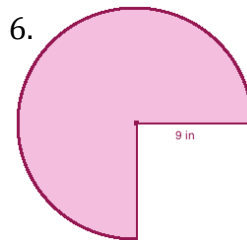
5.



$$P = 4\pi + 8 \text{ ft}$$

or
20.56ft

6.

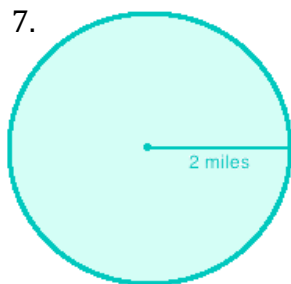


$$P = \frac{9}{2}\pi + 18 \text{ in}$$

or
32.13in

Section II. Find the area (watch your units)

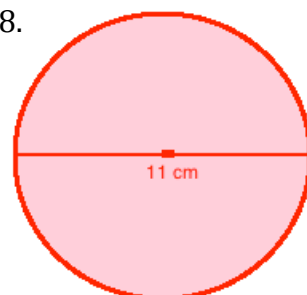
7.



$$A = 4\pi \text{ mi}^2$$

or
12.56mi²

8.



$$A = 30.25\pi \text{ cm}^2$$

or
94.985cm²

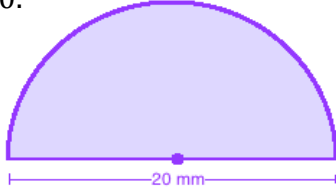
9.



$$A = 49\pi \text{ yds}^2$$

or
153.86yds²

10.

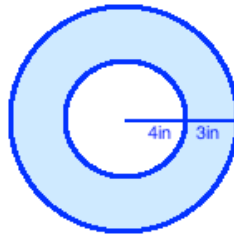


$$A = 50\pi \text{ mm}^2$$

or

$$157\text{mm}^2$$

11.

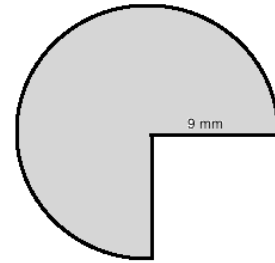


$$A = 33\pi \text{ in}^2$$

or

$$103.62\text{in}^2$$

12.



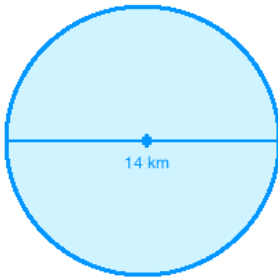
$$A = 60.75\pi \text{ mm}^2$$

or

$$190.755\text{mm}^2$$

Section III. Find the a) Circumference/perimeter and b) Area

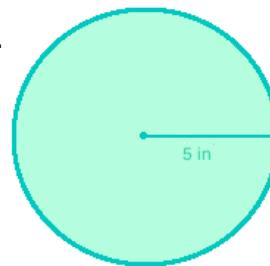
13.



$$C = 14\pi \text{ km or } 43.96\text{km}$$

$$A = 49\pi \text{ km}^2 \text{ or } 153.86\text{km}^2$$

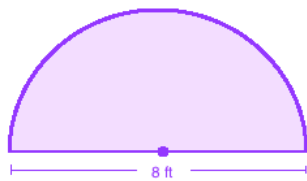
14.



$$C = 10\pi \text{ in or } 31.4\text{in}$$

$$A = 25\pi \text{ in}^2 \text{ or } 78.5\text{in}^2$$

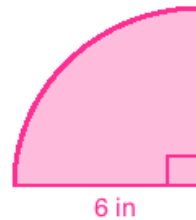
15.



$$P = 4\pi + 8 \text{ ft or } 20.56\text{ft}$$

$$A = 8\pi \text{ ft}^2 \text{ or } 25.12\text{ft}^2$$

16.



$$P = 3\pi + 12 \text{ in or } 21.42\text{in}$$

$$A = 9\pi \text{ in}^2 \text{ or } 28.26\text{in}^2$$