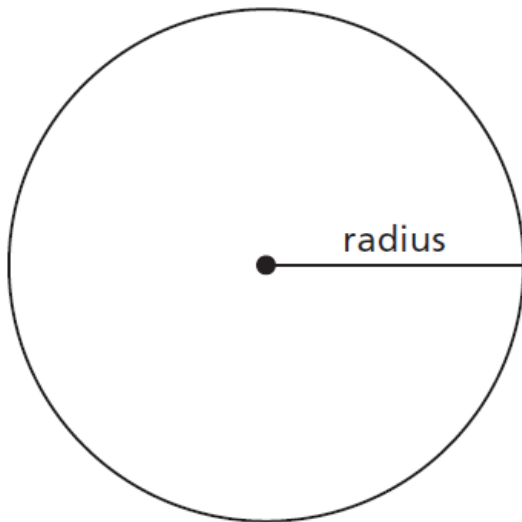


Name _____ Homework # _____

1. If the circumference of a circle is doubled, how does the diameter of the circle change?
A The diameter stays the same.
B The diameter becomes half as long.
C The diameter becomes twice as long.
D The diameter becomes four times as long.
2. If the circumference of a circle is 16π , what is the radius?

3. The circumference of the circle below is 25.12 centimeters.



[not drawn to scale]

$$C = 2\pi r$$

Which is the best estimate for the length of the radius of the circle?

- A 3 centimeters
- B 4 centimeters
- C 8 centimeters
- D 16 centimeters

4. A circle has a circumference that measures 18π inches, what is the radius, in inches, of the circle?

5. A pizza has a circumference of 13π inches. What is the area of the pizza, rounded to the nearest tenth?

6. A circular table has a radius of 5 feet. What is the circumference of this table, rounded to the nearest hundredth?

7. A circular table has an area of 81π square feet. What is the circumference of the table to the nearest hundredth?