Unit 3: Measuring Circles

CONCEPT

Name: _____ Date: _____

Solve each problem. Give exact answers in terms of pi when asked; use pi ≈ 3.14 only when a problem says so.

1. A circle has a diameter of 12 cm. What is its radius?

Answer: _____

2. A circle has a radius of 9 in. What is its diameter?

Answer: _____

3. Find the circumference of a circle with radius 5 cm. Leave your answer in terms of pi.

Answer: _____

4. Find the circumference of a circle with diameter 7 m. Leave your answer in terms of pi.

Answer: _____

5. Find the area of a circle with radius 4 cm. Leave your answer in terms of pi.

Answer: _____

6. Find the area of a circle with radius 6 in. Leave your answer in terms of pi.

Answer: _____

7. A circle has a diameter of 20 mm. What is its radius?

Answer: _____

8. Find the circumference of a circle with radius 10 cm. Use pi ≈ 3.14.

Answer: _____

9. Find the area of a circle with radius 3 m. Use pi ≈ 3.14.

Answer: _____

10. Find the circumference of a circle with diameter 10 ft. Use pi ≈ 3.14.

Answer: _____

11. A circle has a radius of 15 cm. What is its diameter?

Answer: _____

12. Find the area of a circle with radius 1 unit. Leave your answer in terms of pi.

Answer: _____