

Solve the problems below using your knowledge of circumference and area concepts. Use 3.14 for Pi.

1. If the diameter of a circle is 6 in, then what is its radius?  $r = 3 \text{ in}$
2. If the radius of a circle is 2.5 cm, then what is its diameter?  $d = 5 \text{ cm}$  or  $d = 5.0 \text{ cm}$
3. What is the circumference of a circle if its diameter is 5 feet?  $C = 15.7 \text{ ft}$
4. What is the area of a circle if its radius is 8 in?  $A = 200.96 \text{ in}^2$
5. If the circumference of a circle is 12.56 m, then what is its diameter?  $d = 4 \text{ m}$
6. If the area of a circle is 28.26 square inches, then what is its radius?  $r = 3 \text{ in}$
7. Find the circumference of a circle if its radius is 3.2 cm.  $C = 20.096 \text{ cm}$
8. Find the area of a circle if its diameter is 5 in.  $A = 19.625 \text{ in}^2$
9. The distance around a bicycle wheel is 6.28 feet. What is its diameter?  $d = 2 \text{ ft}$
10. The area of a compact disc is 50.24 square centimeters. What is its radius?  $r = 4 \text{ cm}$
11. The circumference of a dinner plate is 14.13 square inches. What is its radius?  $r = 2.25 \text{ in}$
12. The area of a CD-ROM label is 113.04 square centimeters. What is its diameter?  $d = 12 \text{ cm}$