

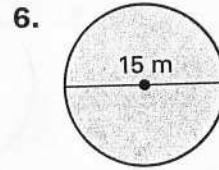
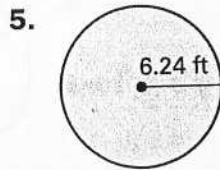
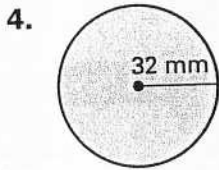
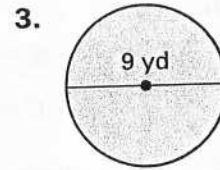
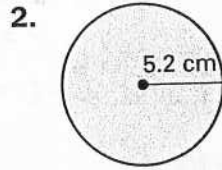
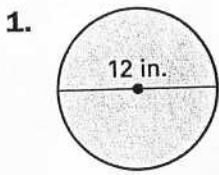
LESSON
11.7

Name _____ Date _____

Practice B

For use with pages 567-571

Find the area of the circle. Use 3.14 for π .



Find the radius and the diameter of the circle with the given area.
Use 3.14 for π .

7. $A = 200.96 \text{ in.}^2$

8. $A = 530.66 \text{ cm}^2$

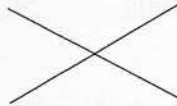
9. $A = 1256 \text{ ft}^2$

10. $A = 28.26 \text{ m}^2$

11. $A = 1962.5 \text{ yd}^2$

12. $A = 379.94 \text{ mm}^2$

13. Describe and correct the error in finding the area of a circle with a diameter of 3.5 inches.



$$\begin{aligned} A &= \pi r^2 \\ &\approx (3.14)(3.5)^2 \\ &= 38.465 \text{ in.}^2 \end{aligned}$$

Find the area of the circle with the given circumference.
Use 3.14 for π .

14. $C = 31.4 \text{ ft}$

15. $C = 69.08 \text{ cm}$

16. $C = 17.27 \text{ yd}$

Complete the statement using $<$, $>$, or $=$.

17. Area of a circle with a 5 foot radius ? 75.5 ft^2

18. Area of a circle with a 16 inch diameter ? 200.75 in.^2

19. Area of a circle with a 2.75 centimeter radius ? 23.74625 cm^2

20. The center ice spot on an ice hockey rink is a circle with a 15-foot radius. What is the area and the circumference of the center ice spot?

21. A dinner plate has an 11-inch diameter and a salad plate has an 8-inch diameter. How many more square inches does the dinner plate cover than the salad plate?

Lesson 11.7