

Name _____

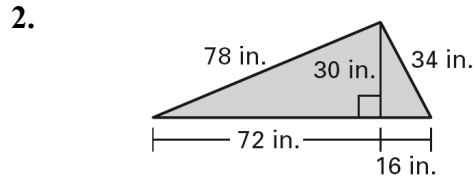
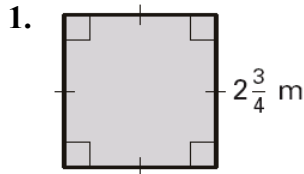
Date _____

LESSON 1.7

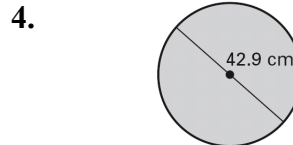
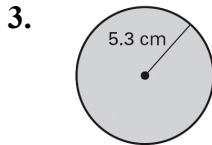
Practice C

For use with pages 48-56

Find the perimeter and area of the figure. Round decimal answers to the nearest tenth.



Find the circumference and area of the circle. Round your answers to the nearest tenth.



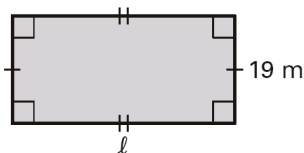
- A triangle has a base of 33 yards and a height of 56 yards. Sketch the triangle and find its area.
- A circle has a radius of 20.2 inches. Sketch the circle and find its area. Round your answer to the nearest tenth.

Copy and complete the statement.

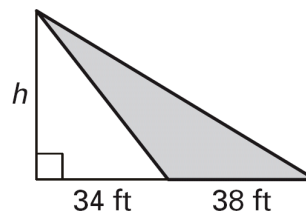
- $47\text{cm}^2 = \underline{\quad? \quad} \text{m}^2$
- $38\text{mm}^2 = \underline{\quad? \quad} \text{cm}^2$
- $2000\text{m}^2 = \underline{\quad? \quad} \text{km}^2$
- $85\text{ft}^2 = \underline{\quad? \quad} \text{yd}^2$
- $51.6\text{ft}^2 = \underline{\quad? \quad} \text{in.}^2$
- $92.4\text{km}^2 = \underline{\quad? \quad} \text{m}^2$
- $108.9\text{m}^2 = \underline{\quad? \quad} \text{cm}^2$

Use the information about the figure to find the indicated measure.

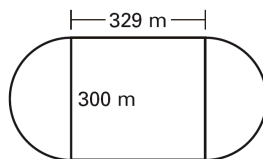
14. Perimeter = 117 m
Find the length l



15. Area = 826.5ft^2
Find the height h .



16. The perimeter of a rectangle is 690 inches, and its length is 213 inches. Find the width of the rectangle.
17. The area of a rectangle is 144 square meters. The length of the rectangle is three times its width. Find the length and width of the rectangle.
18. The area of a triangle is 578 square centimeters. Its base is four times the length of its height. Find the height and base of the triangle.
19. **Irrigation** A new irrigation system has been installed. Each irrigation arm covers a circular region with a radius of 45 feet. How many square feet will 8 irrigation arms cover?
20. **Track** The design of a race track consists of a rectangle and two half-circles, as shown in the figure.



- What is the distance of one lap around the track?
- A charity walk is 10 kilometers long. How many times must participants lap the track to finish the walk?
- Suppose a participant is walking at an average speed of 4 kilometers per hour. How long will it take the participant to finish the 10-kilometer walk?