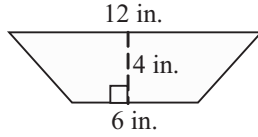Module 13   Perimeter, Area, and Volume
Lesson 2   Area

Find the area.

1.

12 in.

4 in.

6 in.

2.

110 cm
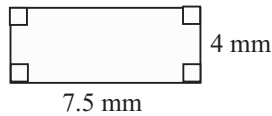
92 cm

3.

4 mm

7.5 mm

4.   Circle *C*

C

18 ft
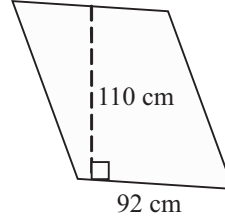
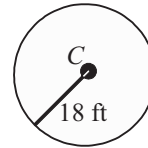**5.**   A square patio has an area of 64 square feet. What is the perimeter of the patio?

6.   A circle has a radius of 35 inches. A square has sides each 63 inches long. Which figure has the greater area? How much greater?

7.   Rita knows that the perimeter of a rectangular table top is 16 feet. If the dimensions are whole numbers, what is the greatest possible area for the table top? What is the least possible area for the table top? Give the dimensions that produce each area.

8.   Using only whole-number dimensions, what is the greatest possible perimeter for a rectangle whose area is 52 square feet? What is the least possible perimeter?