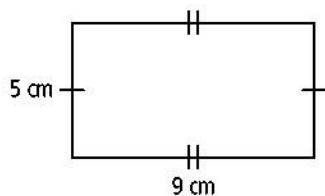


HW-5

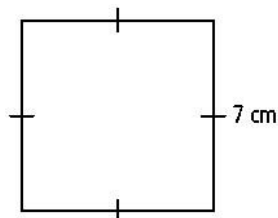
Perimeter, Circumference, and Area

Find the perimeter of each figure.

1.



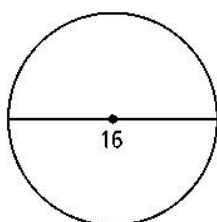
2.



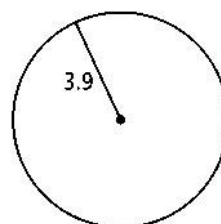
3. An 8-ft-by-10-ft rug leaves 1 ft of the bedroom floor exposed on all four sides. Find the perimeter of the bedroom floor.

Find the circumference of each circle in terms of π .

4.



5.

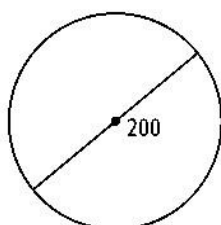


Graph each figure in the coordinate plane. Find the perimeter.

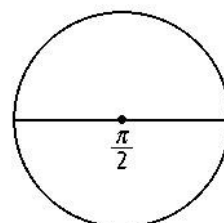
6. $X(-4, 2)$, $Y(2, 10)$, $Z(2, 2)$

Find the area of each circle in terms of π .

7.

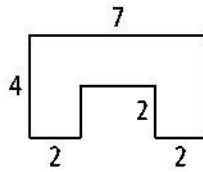


8.

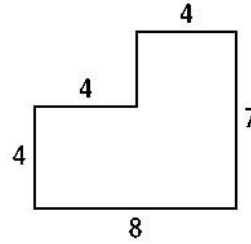


Find the area of each shaded region. All angles are right angles.

9.



10.



11. The area of a circle is 25π in.². What is its

radius?

12. A rectangle has twice the area of a square. The rectangle is 18 in. by 4 in. What is the perimeter of the square?

12. The units of the floor plan at the right are in feet.
Find the perimeter and area of each room. **a.** the kitchen

b. the bedroom

c. the bathroom

d. the closet

e. What is the area of the main hallway? Explain how you could find this area using the area of each room.

