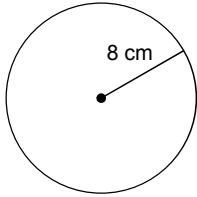


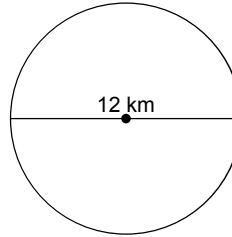
Finding Area

Find the area of each. Use your calculator's value of π . Round your answer to the nearest tenth. (one decimal place)

1)

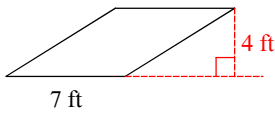


2)

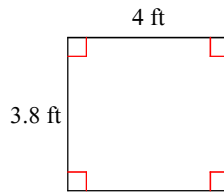


Find the area of each.

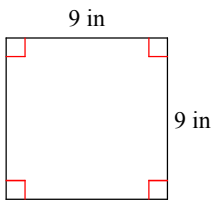
3)



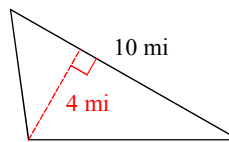
4)



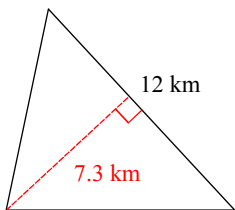
5)



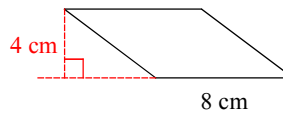
6)



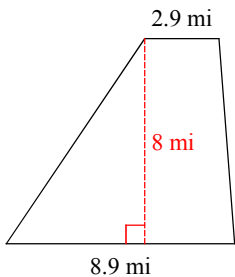
7)



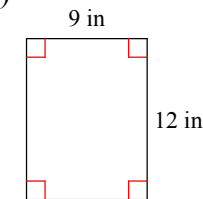
8)



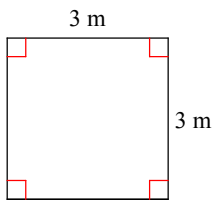
9)



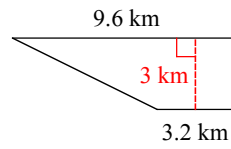
10)



11)

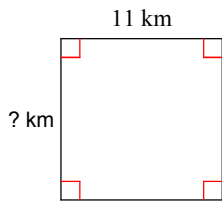


12)



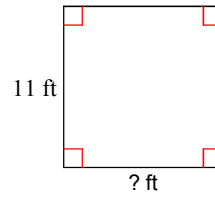
Find the missing measurement. Round your answer to the nearest tenth.

13)



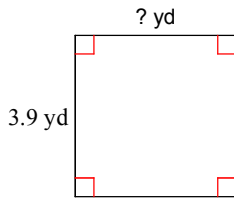
Area = 121 km^2

14)



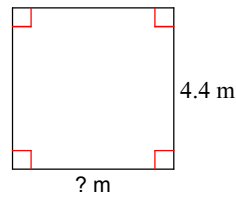
Area = 118.8 ft^2

15)



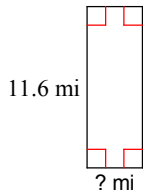
Area = 15.2 yd^2

16)



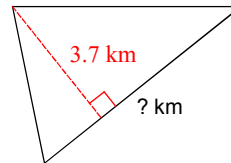
Area = 19.4 m^2

17)



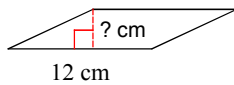
Area = 46.4 mi^2

18)



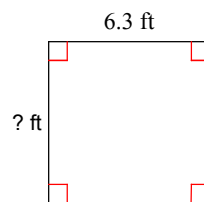
Area = 12.2 km^2

19)



Area = 39.6 cm^2

20)



Area = 39.7 ft^2

Area and Perimeter Word Problems Name _____

Sketch a picture to help solve each problem.

1. A circular rug has been laid in a square room with perimeter 40cm so that all 4 walls of the square are touching the circle. In other words, the rug fits perfectly inside the room! What is the area of the rug?
2. A trapezoid has an area of 75 square inches and its two bases are 8 and 17 inches long. Find the height of the trapezoid.
3. Zack is installing a rectangular swimming pool in his back yard that is 10ft by 18 ft. He would like to leave a 3 ft walkway around the pool. Zack is going to Lowes to buy some fencing to enclose the walkway and pool. How many feet of fencing would he need?
4. Janie is planting a rectangular garden of spring flowers 4 feet wide and 6 feet long. The garden will have a 4 feet stone walkway all the way around it. Find the entire area of the space that she needs for both the garden and walkway.
5. The area of a circle is approximately 78.54. Find the approximate circumference of that same circle.

6. Jon is installing a rectangular pool that is 14 feet long and 5 feet wide. It will have a path all the way around it that is 3 feet wide. Find the entire area of the space needed for both the pool and walkway.

7. A trapezoid has an area 12 square feet. Find the height if the bases are 4 and 8 feet.

8. Find the area of a circular rug that is placed in a square room with perimeter 36m. The circle fits in the square so that the sides of the square hit the circle on all sides.

9. The area of the circle is approximately 113.10. Find the circumference of that same circle.

10. Jonah has a square garden with side length 3m that also has a 1 m walk around it. If he encloses both the garden and path with a fence, how many meters of fencing would he need?