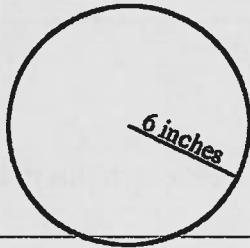


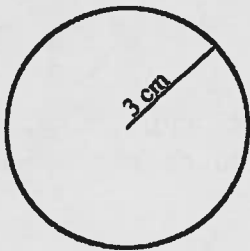
Find the area of the following circles. Use 3.14 for π .

1.



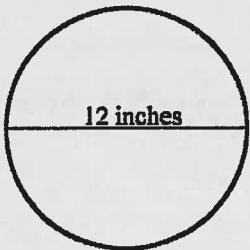
$$A = \underline{\hspace{2cm}}$$

2.



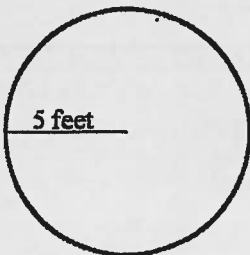
$$A = \underline{\hspace{2cm}}$$

3.



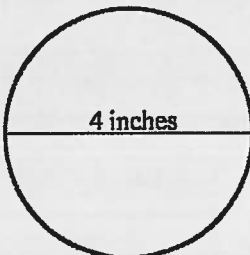
$$A = \underline{\hspace{2cm}}$$

4.



$$A = \underline{\hspace{2cm}}$$

5.



$$A = \underline{\hspace{2cm}}$$

Circle Word Problems-Area

1. The diameter of Mason's dining room table is 2 feet. What is the area of the table?
2. Jeff needs to figure out the amount of paint for a circle 14 feet in diameter. What is the area of the circle he is painting?
3. Leslie wants to replace only the top of a round footstool with new fabric. The diameter of the top of the footstool is 20 inches. How much fabric will Leslie need?
4. Mrs. Sherrard is planting a circular garden with a 12-foot radius. How much soil does she need to cover the entire garden?
5. A circular sinkhole has a radius of 12 meters. A week later, it has a diameter of 48 meters. How much greater is the circumference of the sinkhole compared to the previous week? (Use 3.14 for π .) (Level 4-Depth of Knowledge)

