Assignment 10

1. The length of the leg of the arc of a circle is 42 cm and the radius of the circle is 10 cm. Find the arc length of the circle.

2. The area of a square is 16 cm². Find the side length of the square.

3. The perimeter of a rectangle is 20 cm and the length is 4 cm. Find the width of the rectangle.

4. The volume of a cube is 64 cm³. Find the edge length of the cube.

5. The mass of an object is 5 kg and its density is 10 g/cm³. Find the volume of the object.

6. The area of a circle is 25 cm². Find the radius of the circle.

7. The circumference of a circle is 16 cm. Find the diameter of the circle.

8. The volume of a sphere is 36 cm³. Find the radius of the sphere.

9. The area of a parallelogram is 20 cm² and the base is 5 cm. Find the height of the parallelogram.

10. The area of a trapezoid is 15 cm² and the bases are 3 cm and 5 cm. Find the height of the trapezoid.

11. The area of a circle is πr² and the radius is 3 cm. Find the area of the circle.

12. The perimeter of a hexagon is 30 cm. Find the side length of the hexagon.

13. The area of a rectangle is length * width and the length is 8 cm. Find the width of the rectangle.

14. The circumference of a circle is 2πr. Find the radius of the circle.

15. The area of a triangle is 1/2 * base * height and the base is 6 cm. Find the height of the triangle.

16. The volume of a cylinder is πr²h and the radius is 2 cm. Find the height of the cylinder.