

Volume, Area, Circumference Final Practice Part 4:(fully show all work/steps)  
 $\pi=3.14$

1. If a circle has a diameter of 12cm, what is the area?
2. If a circle has a radius of 8 cm, what is the area?
3. If a circle has an area of  $452.16 \text{ cm}^2$ , what is the:
  - a. Diameter
  - b. Radius
4. If a rectangular prism has a volume of  $2688 \text{ m}^3$ , and the length is 12m, width is 14m, what is the height?
5. What is  $5^2$ ?
6. What is the circumference of a circle who's diameter is 16cm?

7. What is the diameter of a circle when the circumference is 50.24 meters?
8. What is the radius of a circle whose circumference is 56.52 cm?
9. What is the volume of a perfect square cube that has a side length of 5cm?
10. What are the dimensions of the perfect square whose volume is  $125 \text{ m}^3$ ?
11. A cylinder has a side length of 15m, and a volume of  $423.9 \text{ m}^3$ , what is the radius of the cylinder?
12. What is the volume of a cylinder has a diameter of 12 meters and a side length of 6 meters?