**Volume Practice** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the volume of each figure:



1. 2. 3.



4. 5. 6.

7. A No. 10 can has a diameter of 15.5 cm and a height of 17.5 cm. A No. 2.5 can has a diameter of 9.8 cm and a height of 11 cm. What is the difference in volume of the two can types, to the nearest cubic centimeter?

8. A spherical scoop of ice cream with a diameter of 4 cm rests on top of a sugar cone that is 10 cm deep and has a diameter of 4 cm. If all of the ice cream melts into the cone, what percent of the cone will be filled?

9. Point *A* is the center of the sphere. Point *C* is on the surface of the sphere. Point *B* is the center of the circle that lies in plane *P* and includes point *C.* The radius of the circle is 12 mm. *AB* = 5 mm. What is the volume of the sphere to the nearest cubic mm?

10.

11.

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12.