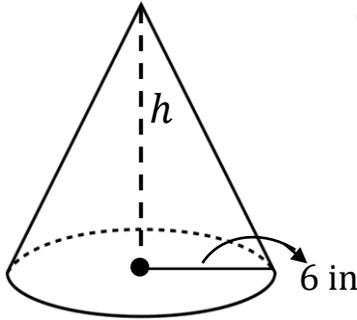Name: _____ Date: _____ Period: _____

Find the missing measurement of each shape when given the volume.

1. The volume of a cylinder is 339.12 m^3. If the height is 12 m, what is the radius on the cylinder?

2. The volume of a cone is 678.24 cubic inches. What is the height of the cone?

3. A cylinder has a volume of 314 cubic centimeters and a height of 4 cm. What is the radius?

4. A cone with a height of 9 yards and a volume of 37.68 cubic yards. What is the radius? What is the diameter?

5. A sphere has a volume of 904.32 cubic meters. What is the radius?

6. A cylinder with a height of 21 millimeters and a volume of 3231.06 cubic millimeters. What is the radius?

7. A sphere with a volume of $523\frac{1}{3}$ cubic inches. What is the radius?

8. A cone with a volume 1,780.38 and a height of 7. What is the radius?

9. What is the height of a cylinder if the radius is 3 meters and the volume is 197.9 cubic meters?

10. What is the radius of a cone with a volume of 301.44 cm^3 and a height of 8 cm?