

Name: _____

Mrs. Roumbos

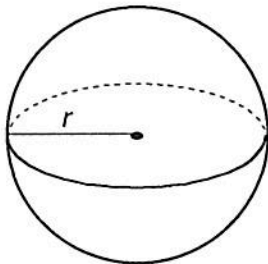
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8R Period _____

Volume of a Sphere Homework

****Show all work****

1)



What is the volume of the sphere above, to the nearest tenth of a cubic inch, if the radius (r) equals 5 inches?

2) Find, in terms of π , the volume of a sphere whose radius is 3 centimeters.

3) Find, in terms of π , the volume of a sphere whose diameter is 18 inches.

4) Find, to the nearest cubic millimeter, the volume of a sphere whose diameter is 4 millimeters. Use $\pi \approx 3.14$