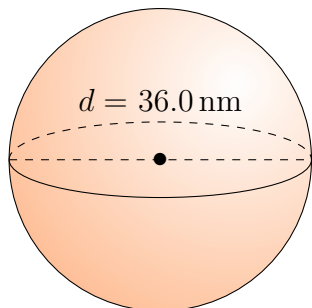


Surface Area and Volume of Spheres (A)

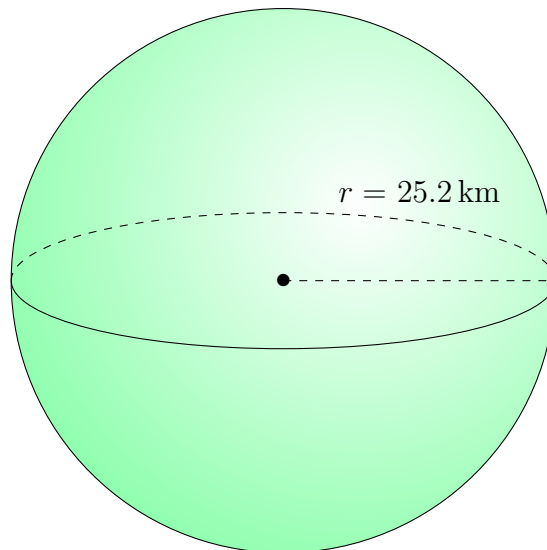
Calculate the surface area and volume for each sphere.

$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

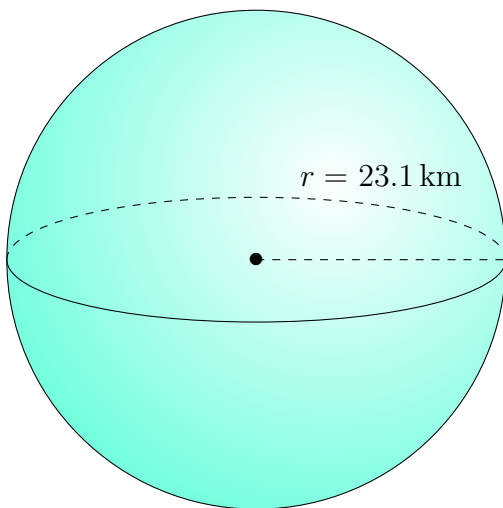
1.



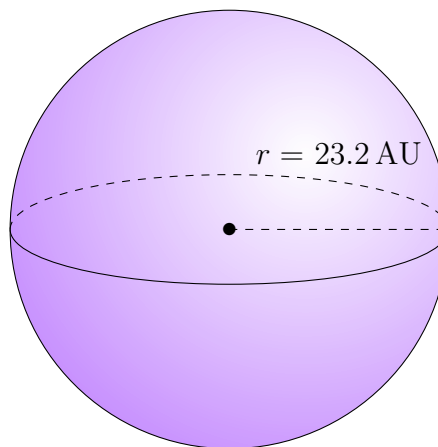
2.



3.



4.

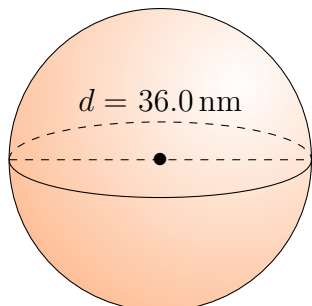


Surface Area and Volume of Spheres (A) Answers

Calculate the surface area and volume for each sphere.

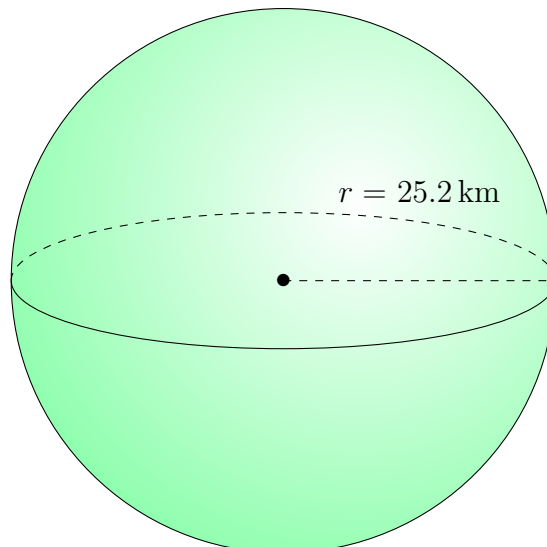
$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

1.



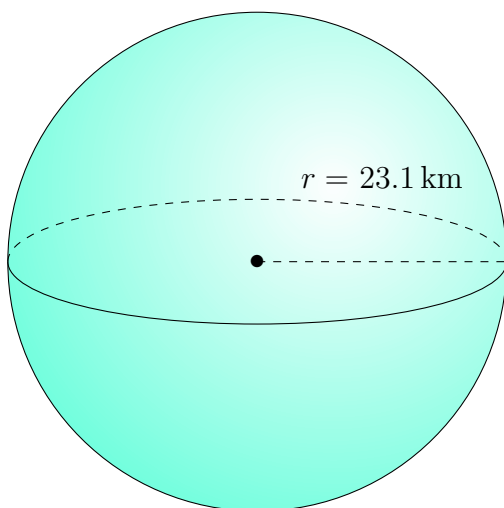
Surface Area: 4071.5 nm^2
Volume: $24,429.0 \text{ nm}^3$

2.



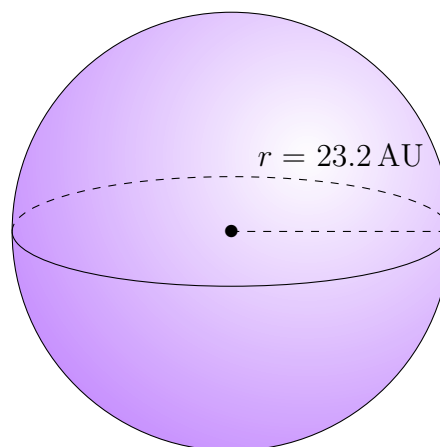
Surface Area: 7980.1 km^2
Volume: $67,033.2 \text{ km}^3$

3.



Surface Area: 6705.5 km^2
Volume: $51,632.7 \text{ km}^3$

4.



Surface Area: 6763.7 AU^2
Volume: $52,306.1 \text{ AU}^3$