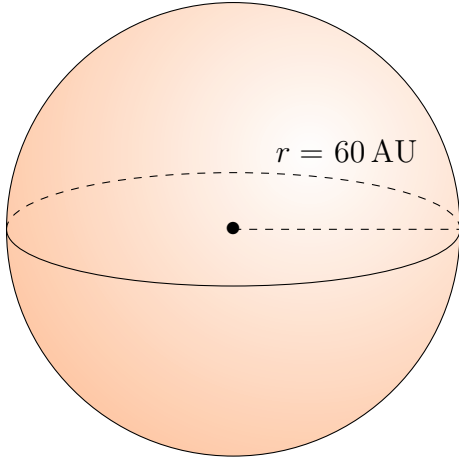


Surface Area and Volume of Spheres (B)

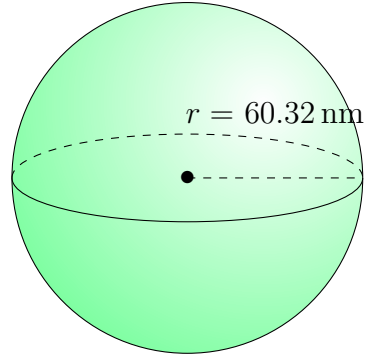
Calculate the surface area and volume for each sphere.

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

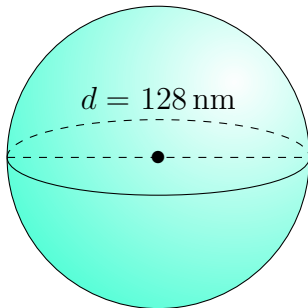
1.



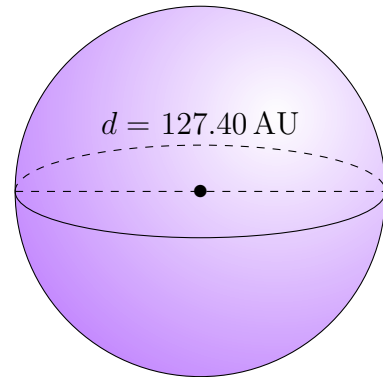
2.



3.



4.

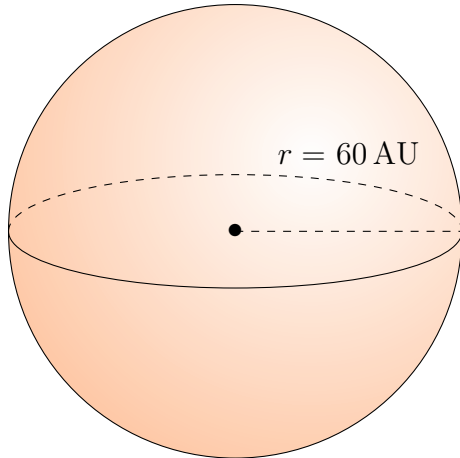


Surface Area and Volume of Spheres (B) Answers

Calculate the surface area and volume for each sphere.

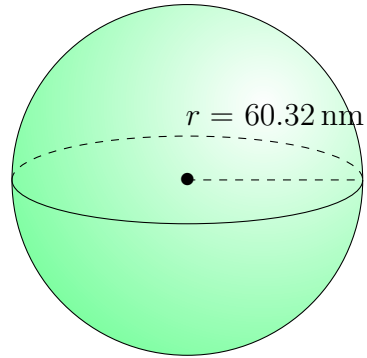
$$\text{Surface Area} = 4\pi r^2 \quad \text{Volume} = \frac{4}{3}\pi r^3$$

1.



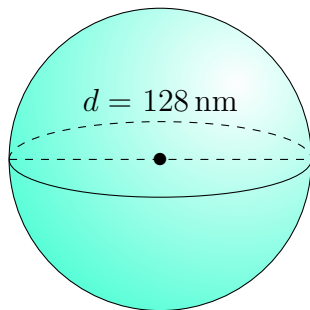
Surface Area: $45,239 \text{ AU}^2$
Volume: $904,779 \text{ AU}^3$

2.



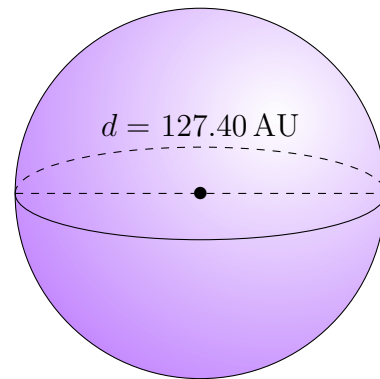
Surface Area: $45,722.77 \text{ nm}^2$
Volume: $919,332.49 \text{ nm}^3$

3.



Surface Area: $51,472 \text{ nm}^2$
Volume: $1,098,066 \text{ nm}^3$

4.



Surface Area: $50,990.44 \text{ AU}^2$
Volume: $1,082,696.93 \text{ AU}^3$