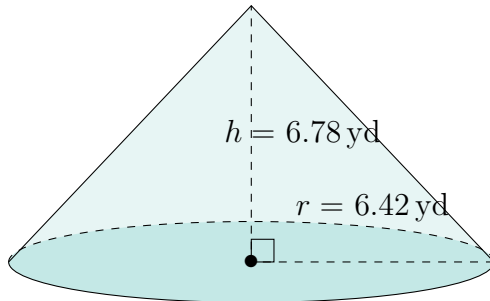


Surface Area and Volume of Cones (G)

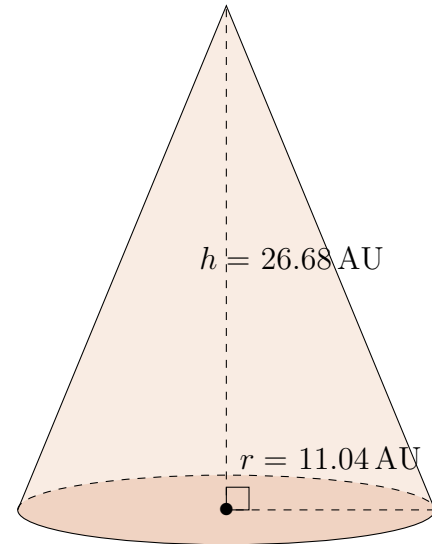
Calculate the surface area and volume for each cone.

$$\text{Surface Area} = \pi r(r + \sqrt{h^2 + r^2}) \quad \text{Volume} = \pi r^2 \frac{h}{3}$$

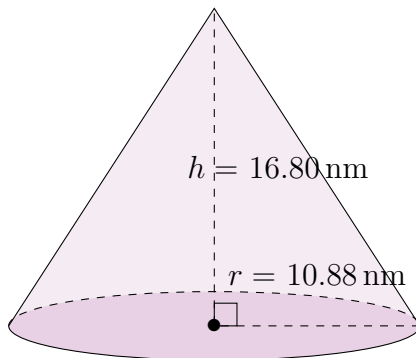
1.



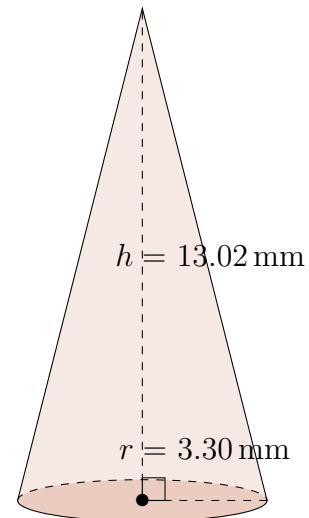
2.



3.



4.

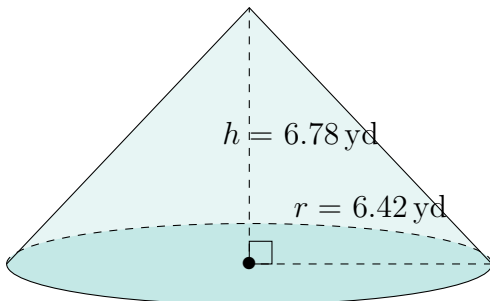


Surface Area and Volume of Cones (G) Answers

Calculate the surface area and volume for each cone.

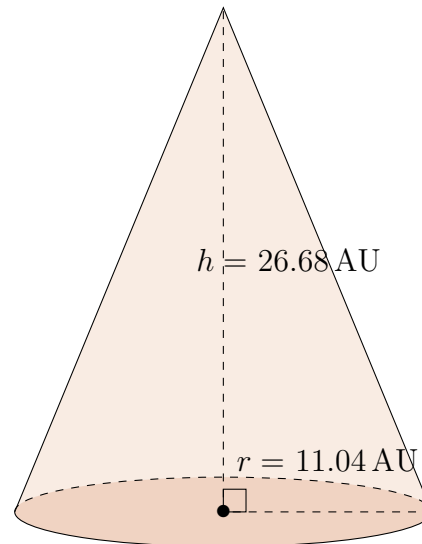
$$\text{Surface Area} = \pi r(r + \sqrt{h^2 + r^2}) \quad \text{Volume} = \pi r^2 \frac{h}{3}$$

1.



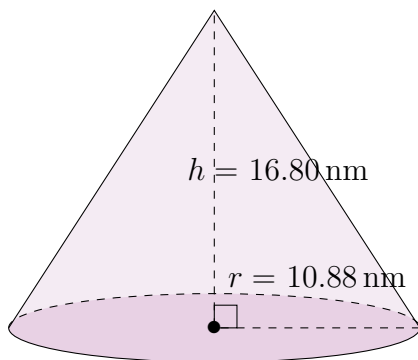
Surface Area: 317.81 yd^2
Volume: 292.64 yd^3

2.



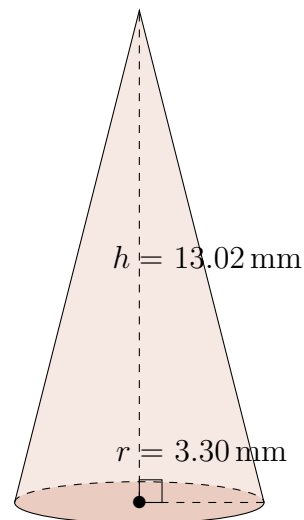
Surface Area: 1384.34 AU^2
Volume: 3405.28 AU^3

3.



Surface Area: 1056.02 nm^2
Volume: 2082.55 nm^3

4.



Surface Area: 173.46 mm^2
Volume: 148.48 mm^3