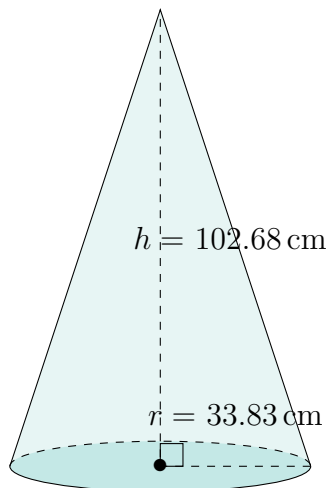


Surface Area and Volume of Cones (C)

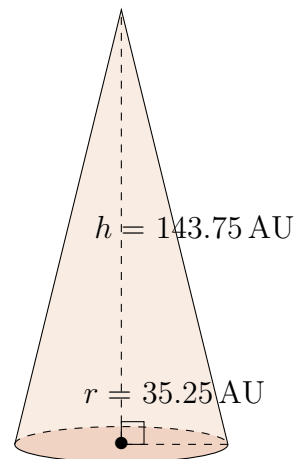
Calculate the surface area and volume for each cone.

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

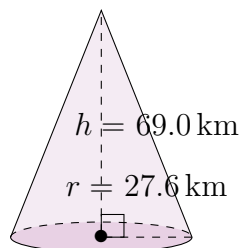
1.



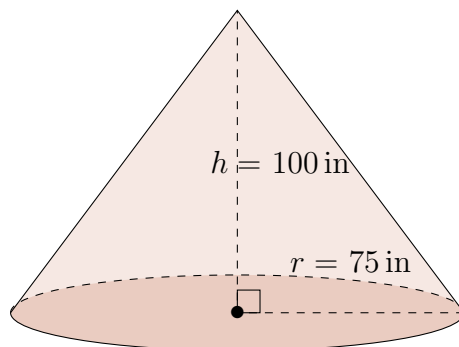
2.



3.



4.

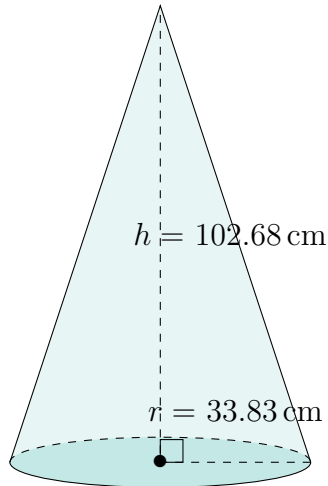


Surface Area and Volume of Cones (C) Answers

Calculate the surface area and volume for each cone.

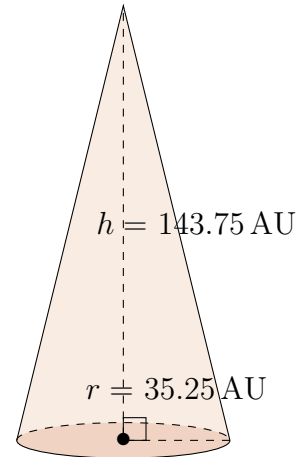
$$\text{Surface Area} = \pi r(r + \sqrt{h^2 + r^2}) \quad \text{Volume} = \pi r^2 \frac{h}{3}$$

1.



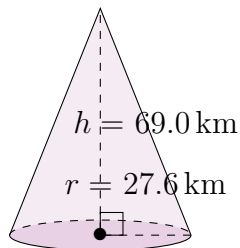
Surface Area: $15,085.34 \text{ cm}^2$
Volume: $123,060.44 \text{ cm}^3$

2.



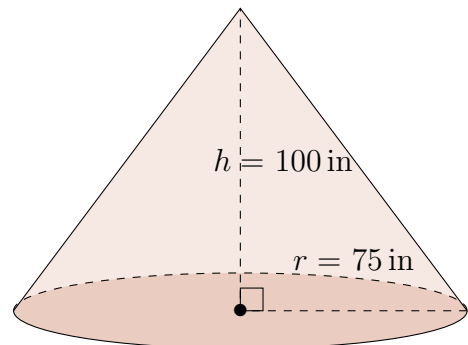
Surface Area: $20,294.30 \text{ AU}^2$
Volume: $187,048.71 \text{ AU}^3$

3.



Surface Area: 8836.9 km^2
Volume: $55,042.2 \text{ km}^3$

4.



Surface Area: $47,124 \text{ in}^2$
Volume: $589,049 \text{ in}^3$