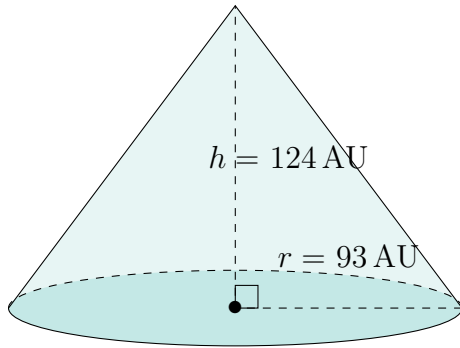


Surface Area and Volume of Cones (B)

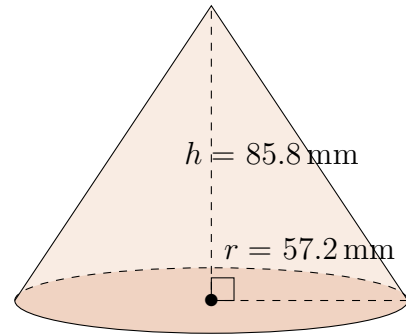
Calculate the surface area and volume for each cone.

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

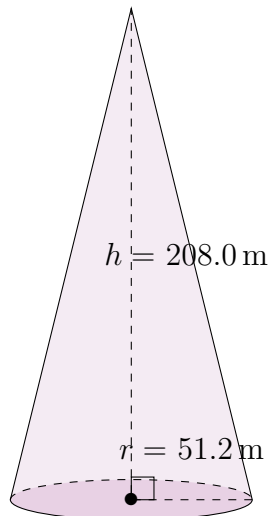
1.



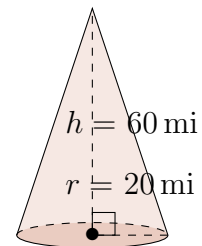
2.



3.



4.

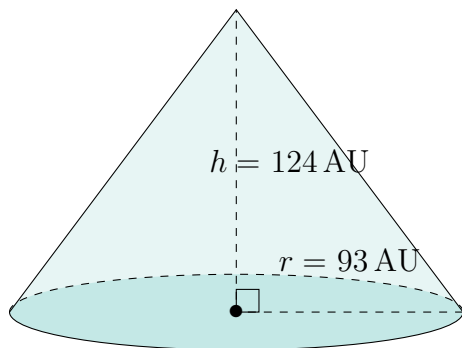


Surface Area and Volume of Cones (B) Answers

Calculate the surface area and volume for each cone.

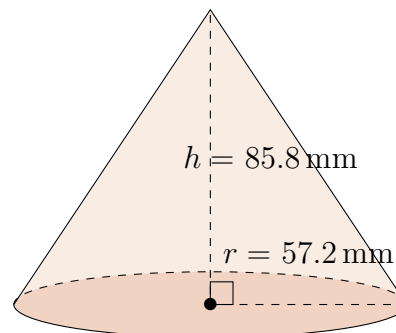
$$\text{Surface Area} = \pi r(r + \sqrt{h^2 + r^2}) \quad \text{Volume} = \pi r^2 \frac{h}{3}$$

1.



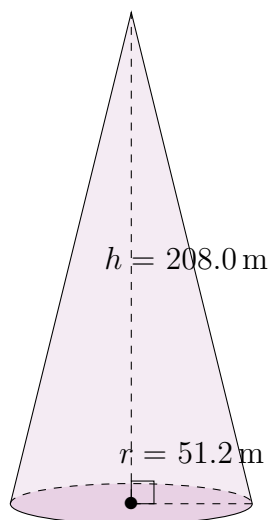
Surface Area: 72,458 AU²
Volume: 1,123,094 AU³

2.



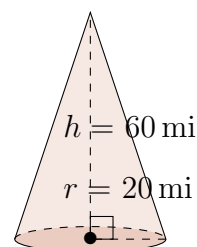
Surface Area: 28,809.1 mm²
Volume: 293,973.4 mm³

3.



Surface Area: 42,690.9 m²
Volume: 570,994.4 m³

4.



Surface Area: 5230 mi²
Volume: 25,133 mi³