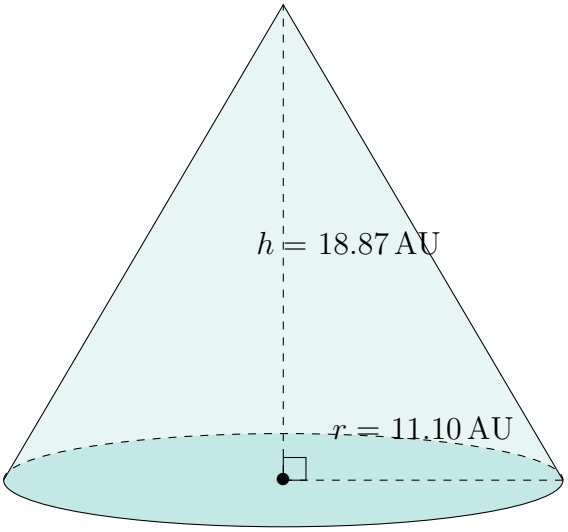
Surface Area and Volume of Cones (H)

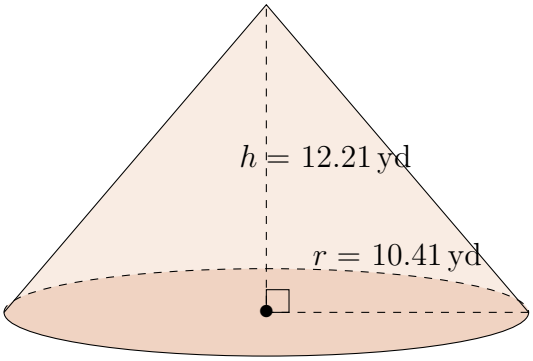
Calculate the surface area and volume for each cone.

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

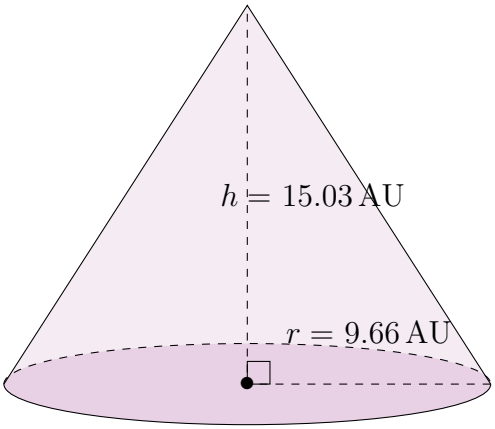
1.



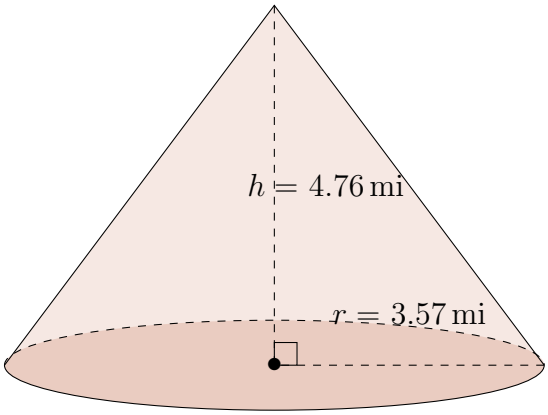
2.



3.



4.

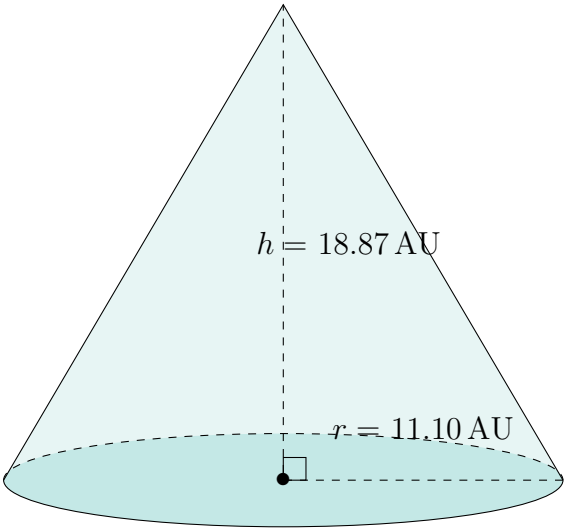


Surface Area and Volume of Cones (H) Answers

Calculate the surface area and volume for each cone.

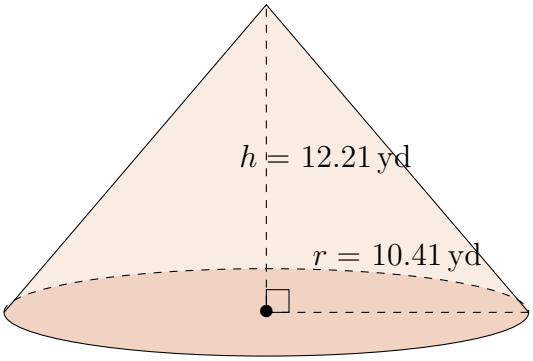
$$\text{Surface Area} = \pi r(r + \sqrt{h^2 + r^2}) \quad \text{Volume} = \pi r^2 \frac{h}{3}$$

1.



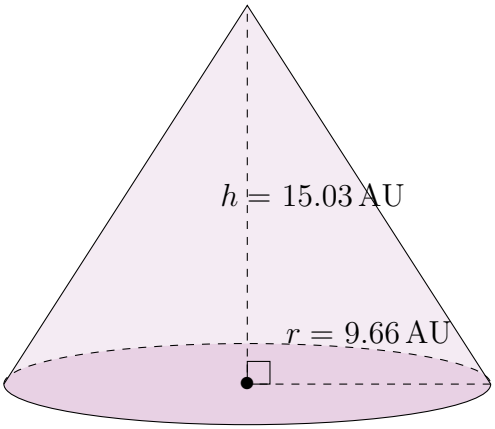
Surface Area: $1150.51\,\text{AU}^2$
Volume: $2434.71\,\text{AU}^3$

2.



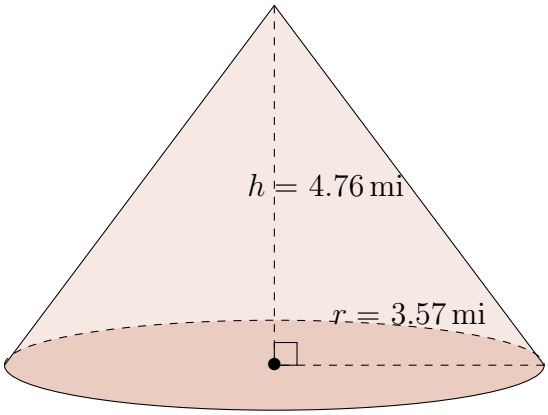
Surface Area: $865.19\,\text{yd}^2$
Volume: $1385.63\,\text{yd}^3$

3.



Surface Area: $835.37\,\text{AU}^2$
Volume: $1468.73\,\text{AU}^3$

4.



Surface Area: $106.77\,\text{mi}^2$
Volume: $63.53\,\text{mi}^3$