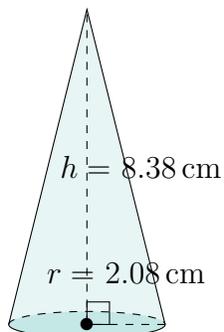


Surface Area and Volume of Cones (D)

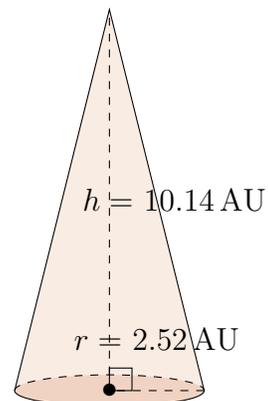
Calculate the surface area and volume for each cone.

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

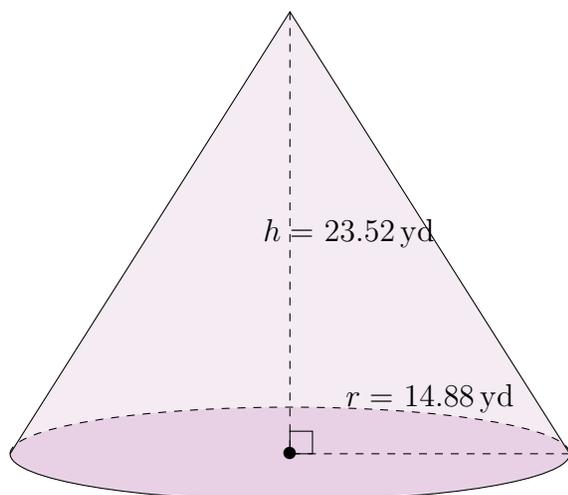
1.



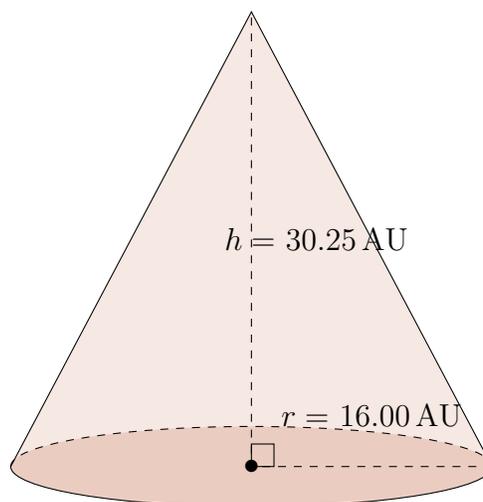
2.



3.



4.

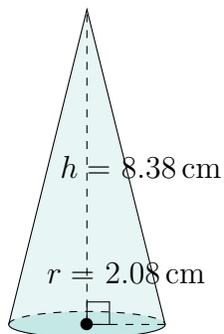


Surface Area and Volume of Cones (D) Answers

Calculate the surface area and volume for each cone.

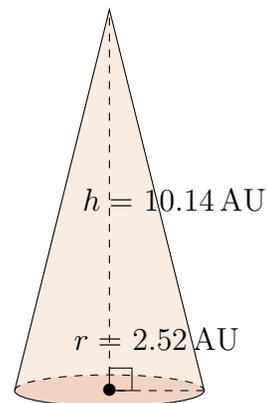
$$\text{Surface Area} = \pi r(r + \sqrt{h^2 + r^2}) \quad \text{Volume} = \pi r^2 \frac{h}{3}$$

1.



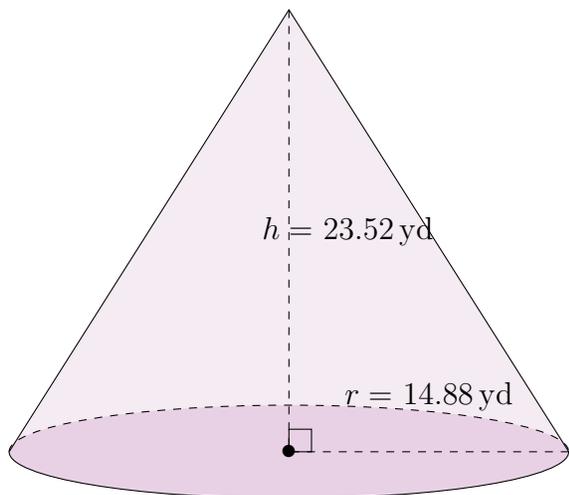
Surface Area: 70.01 cm^2
Volume: 37.97 cm^3

2.



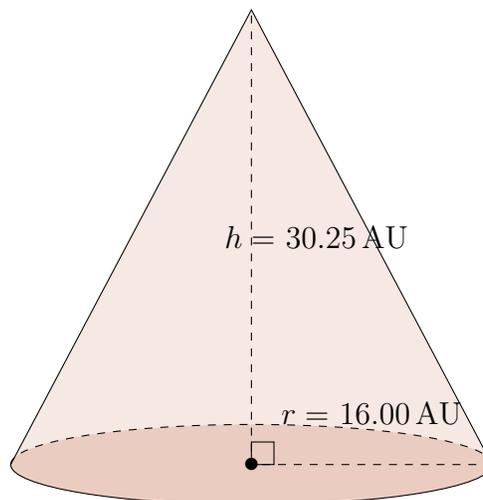
Surface Area: 102.67 AU^2
Volume: 67.43 AU^3

3.



Surface Area: 1996.64 yd^2
Volume: 5453.46 yd^3

4.



Surface Area: 2524.37 AU^2
Volume: 8109.50 AU^3