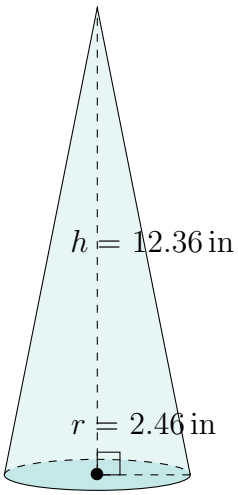
Surface Area and Volume of Cones (B)

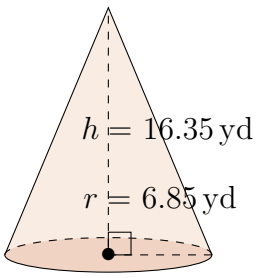
Calculate the surface area and volume for each cone.

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

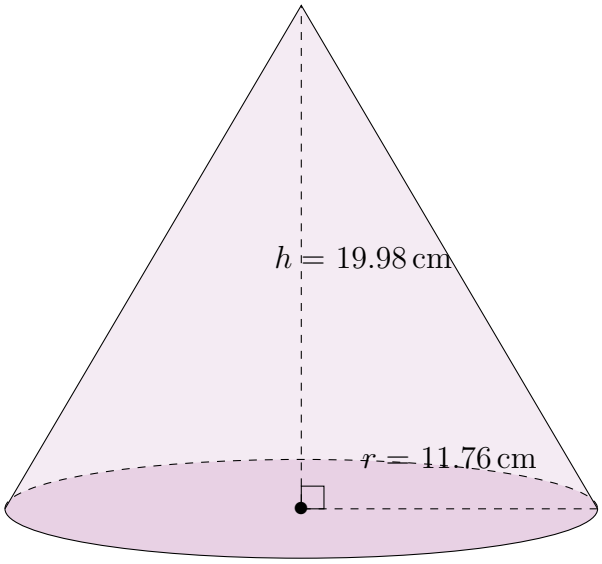
1.



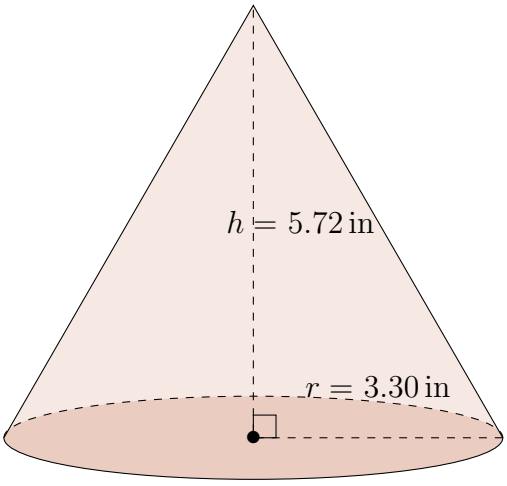
2.



3.



4.

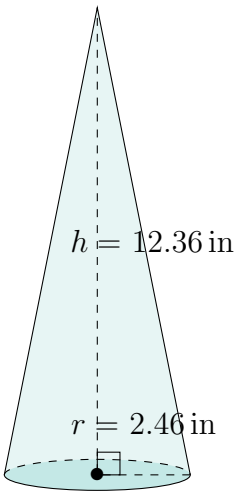


Surface Area and Volume of Cones (B) Answers

Calculate the surface area and volume for each cone.

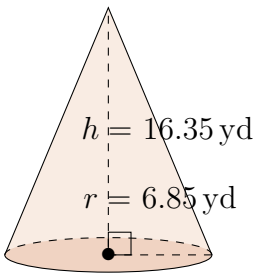
$$\text{Surface Area} = \pi r(r + \sqrt{h^2 + r^2}) \quad \text{Volume} = \pi r^2 \frac{h}{3}$$

1.



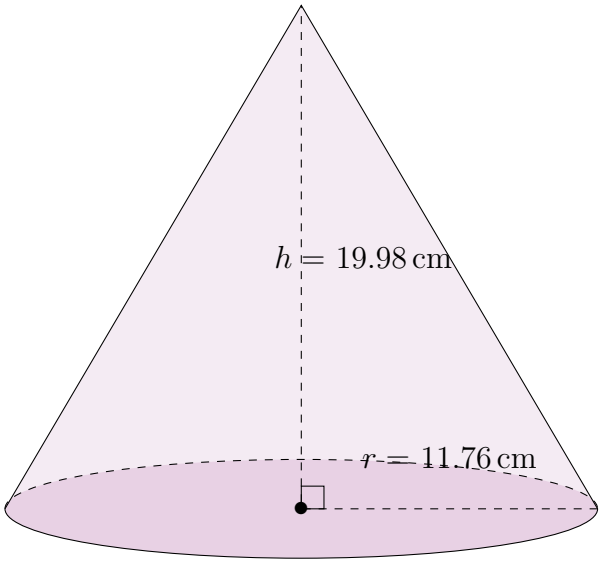
Surface Area: $116.41\,\text{in}^2$
Volume: $78.33\,\text{in}^3$

2.



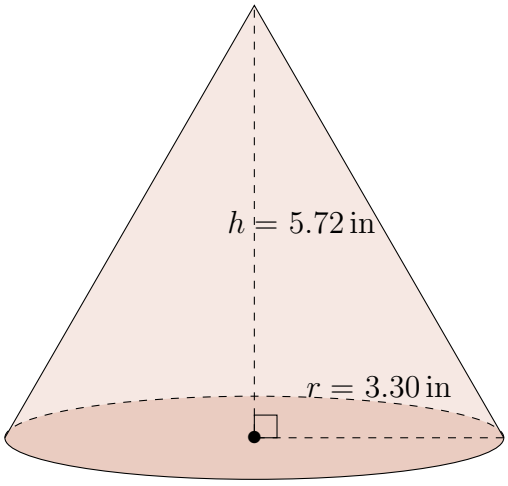
Surface Area: $528.89\,\text{yd}^2$
Volume: $803.39\,\text{yd}^3$

3.



Surface Area: $1291.01\,\text{cm}^2$
Volume: $2893.60\,\text{cm}^3$

4.



Surface Area: $102.67\,\text{in}^2$
Volume: $65.23\,\text{in}^3$