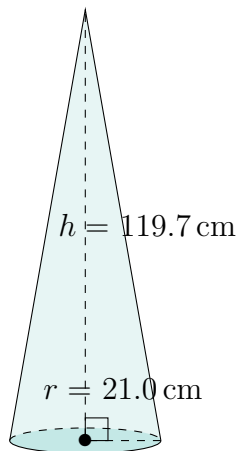


Surface Area and Volume of Cones (D)

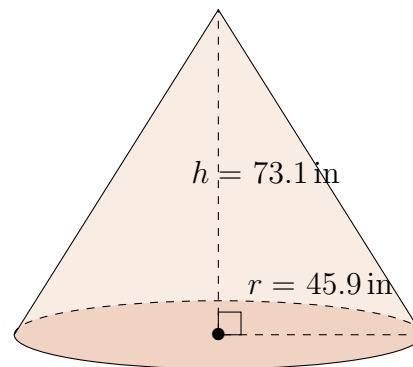
Calculate the surface area and volume for each cone.

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

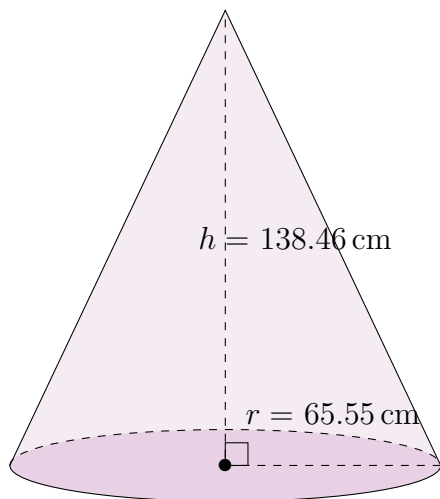
1.



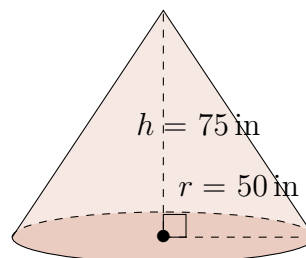
2.



3.



4.

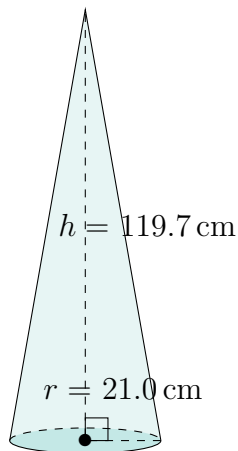


Surface Area and Volume of Cones (D) Answers

Calculate the surface area and volume for each cone.

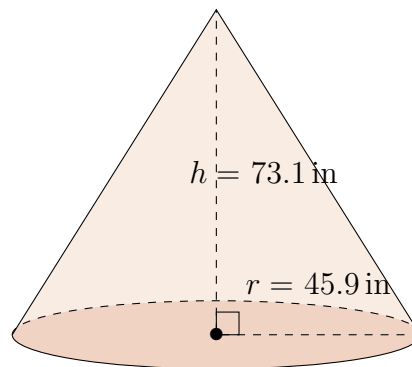
$$\text{Surface Area} = \pi r(r + \sqrt{h^2 + r^2}) \quad \text{Volume} = \pi r^2 \frac{h}{3}$$

1.



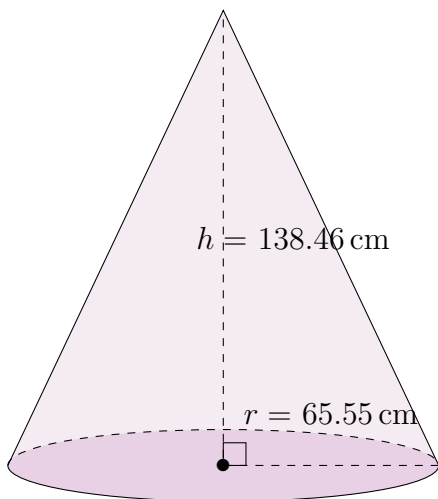
Surface Area: 9403.1 cm^2
Volume: $55,279.2 \text{ cm}^3$

2.



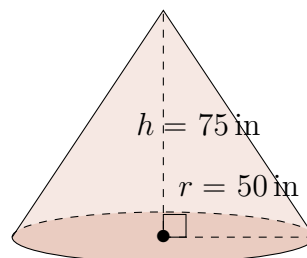
Surface Area: $19,065.4 \text{ in}^2$
Volume: $161,276.6 \text{ in}^3$

3.



Surface Area: $45,045.97 \text{ cm}^2$
Volume: $623,014.76 \text{ cm}^3$

4.



Surface Area: $22,013 \text{ in}^2$
Volume: $196,350 \text{ in}^3$