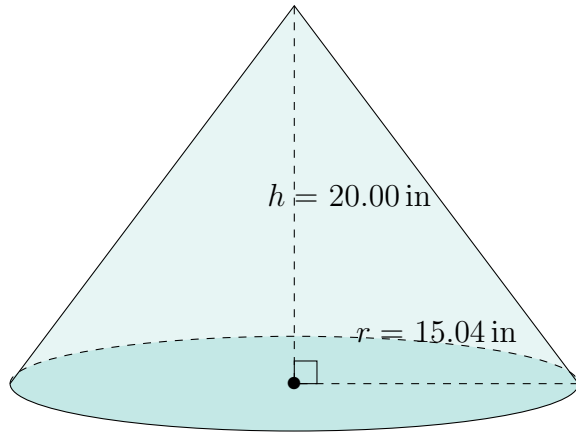


Surface Area and Volume of Cones (F)

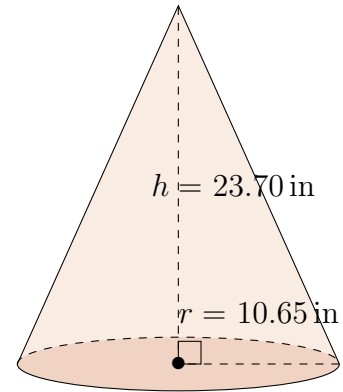
Calculate the surface area and volume for each cone.

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

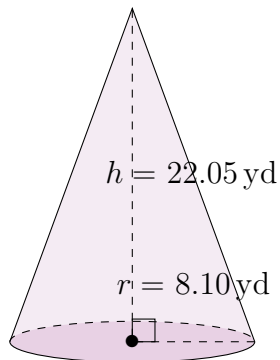
1.



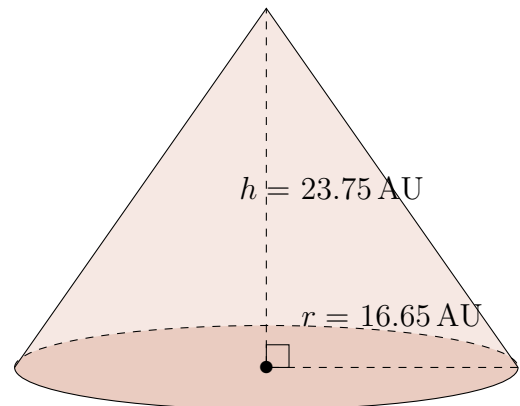
2.



3.



4.

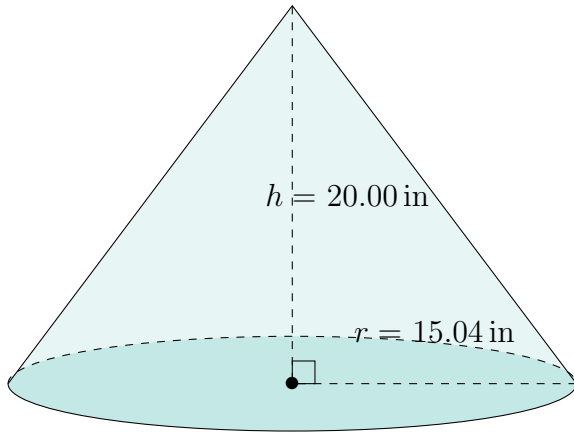


Surface Area and Volume of Cones (F) Answers

Calculate the surface area and volume for each cone.

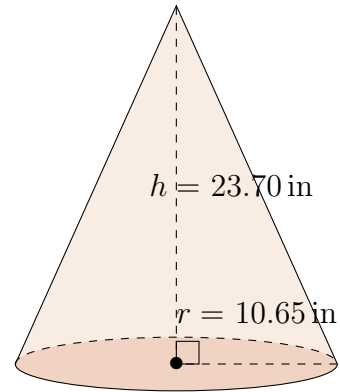
$$\text{Surface Area} = \pi r(r + \sqrt{h^2 + r^2}) \quad \text{Volume} = \pi r^2 \frac{h}{3}$$

1.



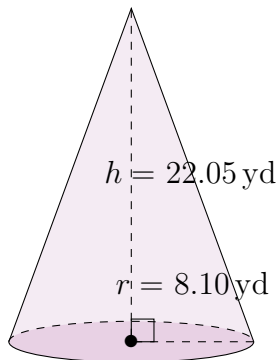
Surface Area: 1893.01 in^2
Volume: 4737.56 in^3

2.



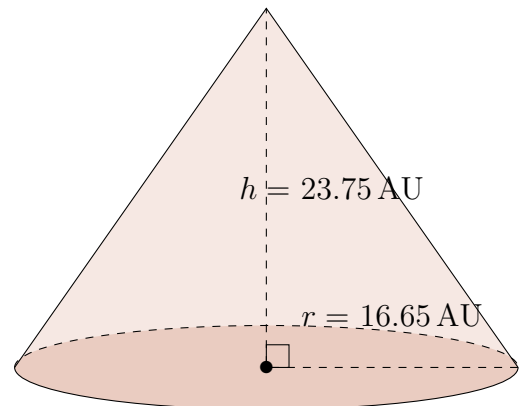
Surface Area: 1225.66 in^2
Volume: 2814.99 in^3

3.



Surface Area: 803.89 yd^2
Volume: 1514.98 yd^3

4.



Surface Area: 2388.10 AU^2
Volume: 6894.78 AU^3