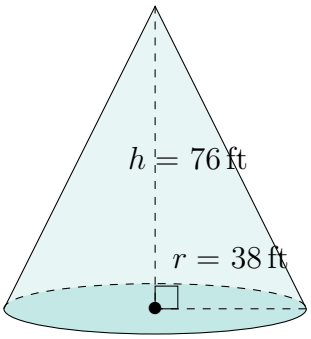
Aire et Volume d'un Cône (C)

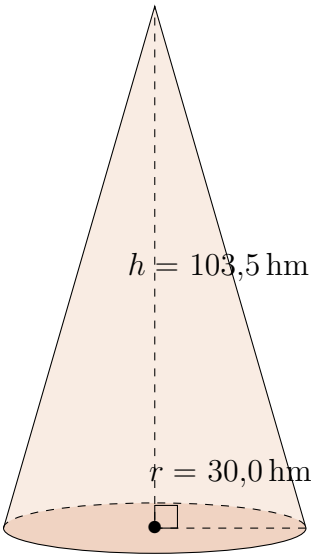
Calculez l'aire et le volume de chaque cône.

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

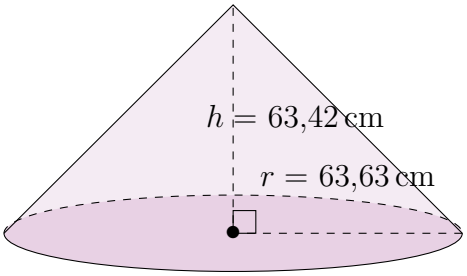
1.



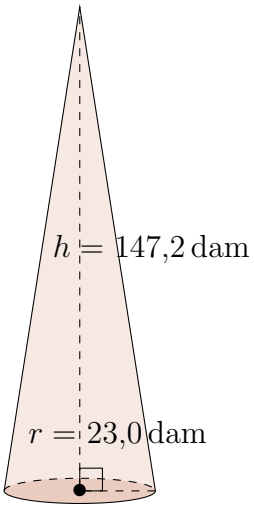
2.



3.



4.

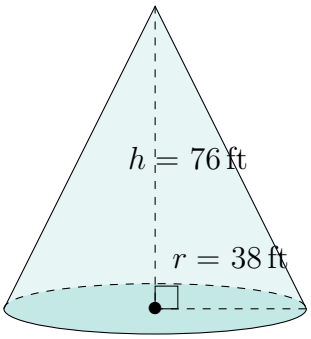


Aire et Volume d'un Cône (C) Réponses

Calculez l'aire et le volume de chaque cône.

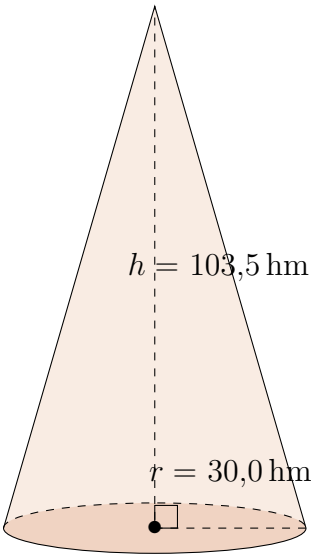
$$\text{Aire} = \pi r(r + \sqrt{h^2 + r^2}) \quad \text{Volume} = \pi r^2 \frac{h}{3}$$

1.



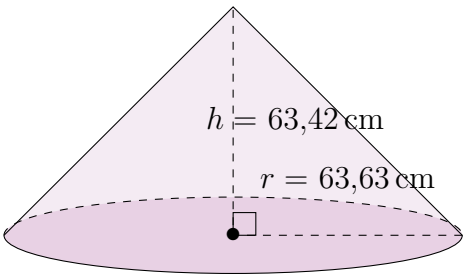
Aire: $14.680\,\text{ft}^2$
Volume: $114.924\,\text{ft}^3$

2.



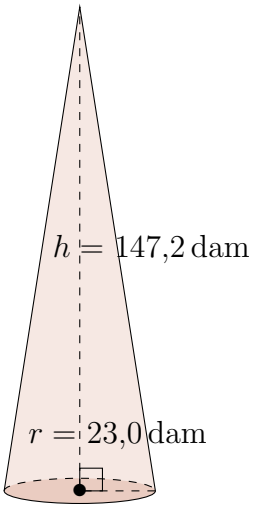
Aire: $12.983{,}6\,\text{hm}^2$
Volume: $97.546{,}5\,\text{hm}^3$

3.



Aire: $30.678{,}19\,\text{cm}^2$
Volume: $268.892{,}51\,\text{cm}^3$

4.



Surface Area: $12.427{,}1\,\text{dam}^2$
Volume: $81.544{,}0\,\text{dam}^3$