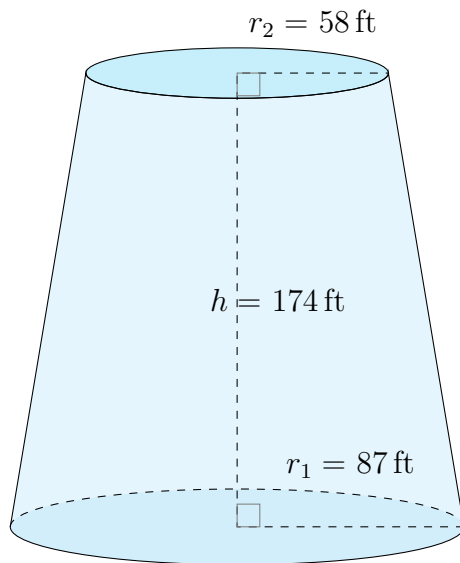


# Aire et Volume d'un Tronc de Cône (A)

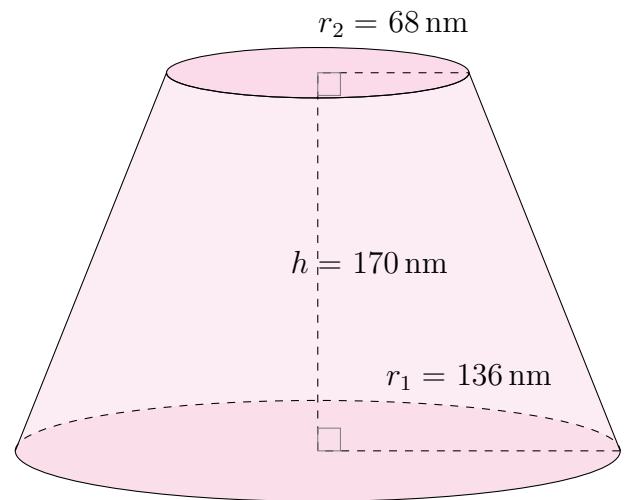
Calculez l'aire et le volume de chaque tronc de cône.

$$\text{Aire} = \pi(r_1 + r_2)\sqrt{(r_1 - r_2)^2 + h^2} + \pi r_1^2 + \pi r_2^2 \quad \text{Volume} = \frac{\pi}{3}h(r_1^2 + r_2^2 + r_1 r_2)$$

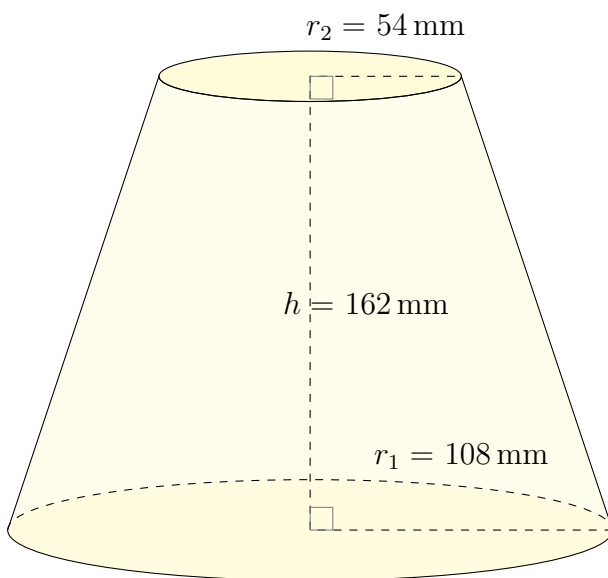
1.



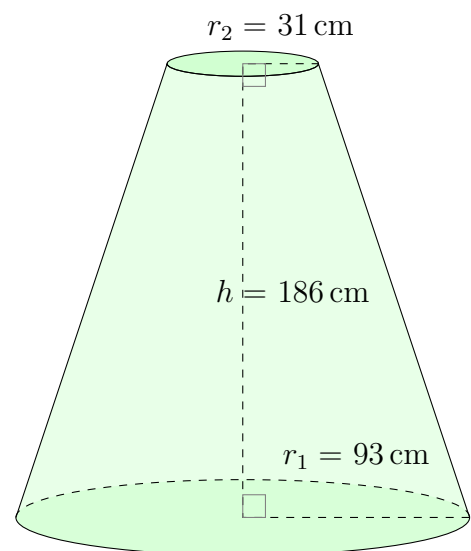
2.



3.



4.

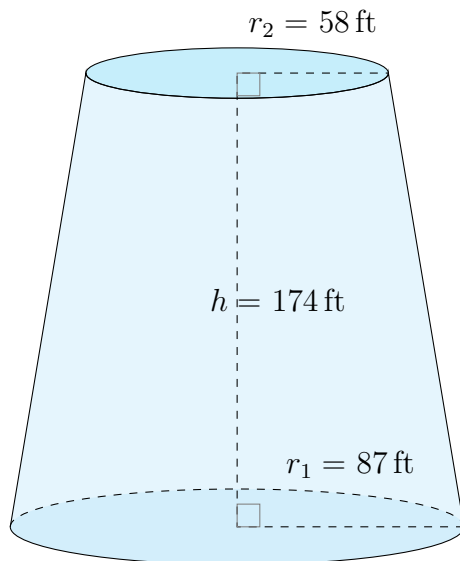


# Aire et Volume d'un Tronc de Cône (A) Réponses

Calculez l'aire et le volume de chaque tronc de cône.

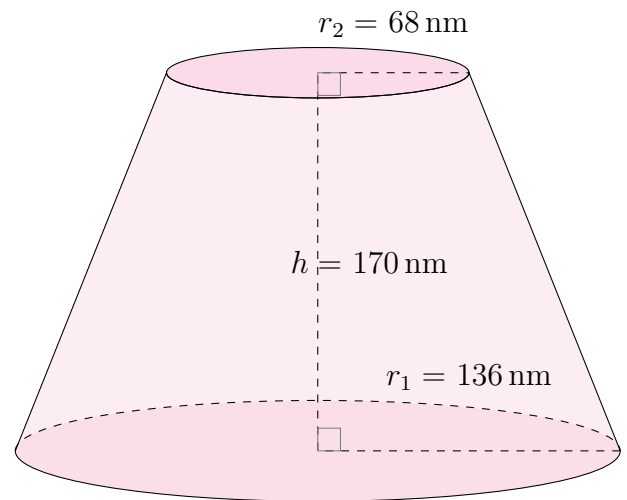
$$\text{Aire} = \pi(r_1 + r_2)\sqrt{(r_1 - r_2)^2 + h^2} + \pi r_1^2 + \pi r_2^2 \quad \text{Volume} = \frac{\pi}{3}h(r_1^2 + r_2^2 + r_1 r_2)$$

1.



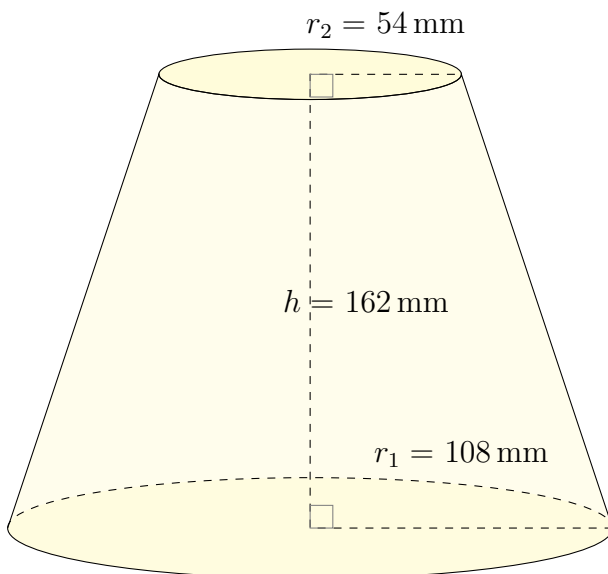
Aire:  $114.703 \text{ ft}^2$   
Volume:  $2.911.572 \text{ ft}^3$

2.



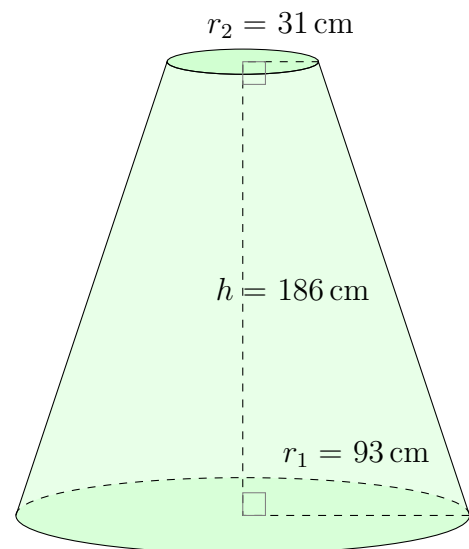
Aire:  $189.977 \text{ nm}^2$   
Volume:  $5.762.267 \text{ nm}^3$

3.



Aire:  $132.712 \text{ mm}^2$   
Volume:  $3.462.814 \text{ mm}^3$

4.



Aire:  $106.568 \text{ cm}^2$   
Volume:  $2.433.371 \text{ cm}^3$