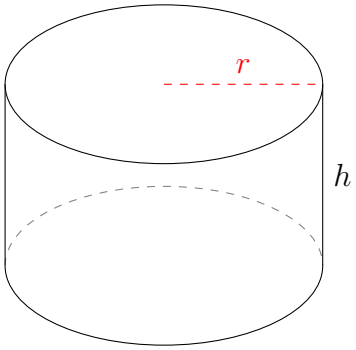
# Aire et Volume des Cylindres (C)

Calculez l'aire et le volume pour chaque cylindre.

Aire $= (\pi r^2 \times 2) + (\pi d \times h)$ Volume $= \pi r^2 \times h$ $d = 2r$

1.

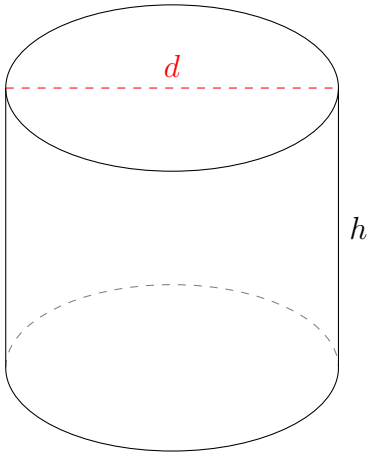



$r = 2{,}1$ mi $h = 2{,}4$ mi

Aire =

Volume =

2.

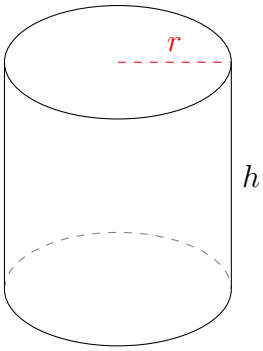



$d = 4{,}4$ dam $h = 3{,}7$ dam

Aire =

Volume =

3.

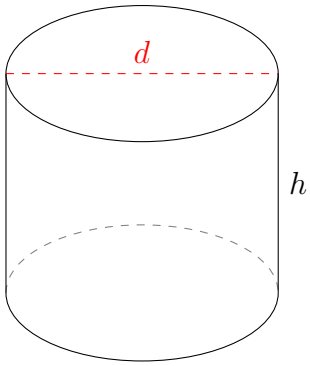



$r = 1{,}5$ mi $h = 3$ mi

Aire =

Volume =

4.




$d = 3{,}6$ nm $h = 2{,}9$ nm

Aire =

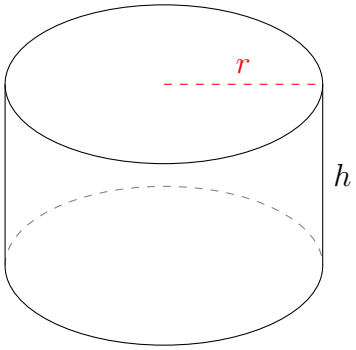
Volume =

# Aire et Volume des Cylindres (C) Réponses

Calculez l'aire et le volume pour chaque cylindre.

Aire $= (\pi r^2 \times 2) + (\pi d \times h)$ Volume $= \pi r^2 \times h$ $d = 2r$

1.

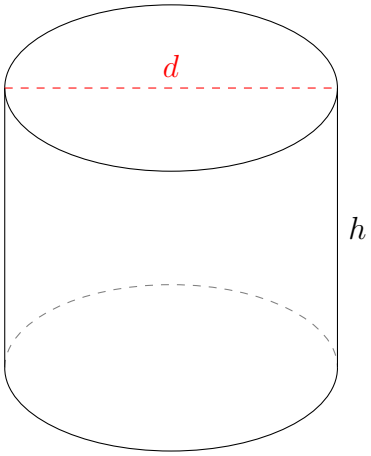



$r = 2{,}1$ mi $h = 2{,}4$ mi

Aire $= 59{,}38$ mi$^2$

Volume $= 33{,}25$ mi$^3$

2.

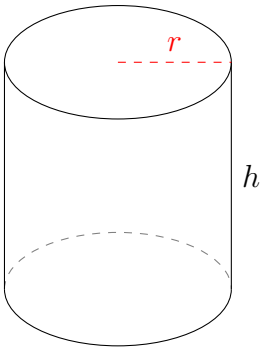



$d = 4{,}4$ dam $h = 3{,}7$ dam

Aire $= 81{,}56$ dam$^2$

Volume $= 56{,}26$ dam$^3$

3.

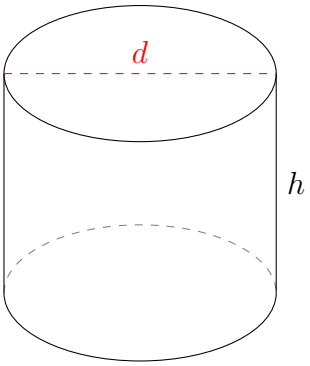



$r = 1{,}5$ mi $h = 3$ mi

Aire $= 42{,}41$ mi$^2$

Volume $= 21{,}21$ mi$^3$

4.




$d = 3{,}6$ nm $h = 2{,}9$ nm

Aire $= 53{,}16$ nm$^2$

Volume $= 29{,}52$ nm$^3$