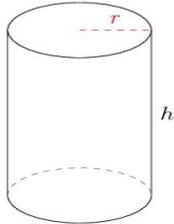


Area and Volume of Cylinders (A)

Calculate the surface area and volume for each cylinder.

$$\text{Surface Area} = (\pi r^2 \times 2) + (\pi d \times h) \quad \text{Volume} = \pi r^2 \times h \quad d = 2r$$

1.

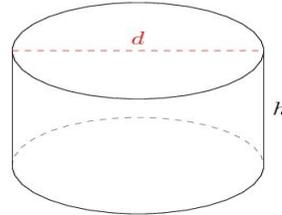


$$r = 1.2 \text{ km} \quad h = 3.6 \text{ km}$$

Surface Area =

Volume =

2.

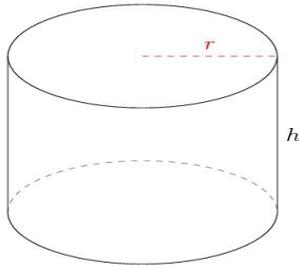


$$d = 12.6 \text{ cm} \quad h = 7.5 \text{ cm}$$

Surface Area =

Volume =

3.

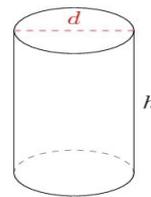


$$r = 18 \text{ ft} \quad h = 27.2 \text{ ft}$$

Surface Area =

Volume =

4.



$$d = 12 \text{ m} \quad h = 18.6 \text{ m}$$

Surface Area =

Volume =