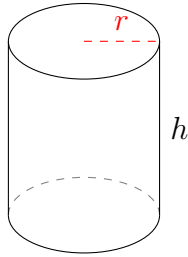


# Area and Volume of Cylinders (G)

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.

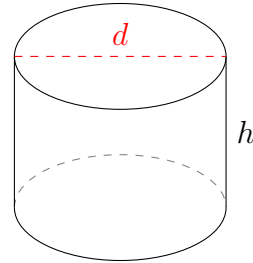


$$r = 1 \text{ cm} \quad h = 2.3 \text{ cm}$$

Surface Area =

Volume =

2.

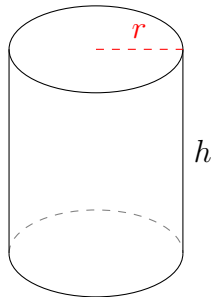


$$d = 16.8 \text{ in} \quad h = 12 \text{ in}$$

Surface Area =

Volume =

3.

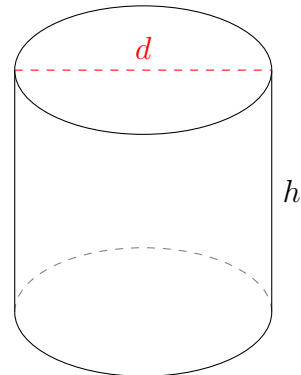


$$r = 8.05 \text{ cm} \quad h = 18.9 \text{ cm}$$

Surface Area =

Volume =

4.



$$d = 3.4 \text{ in} \quad h = 3.2 \text{ in}$$

Surface Area =

Volume =