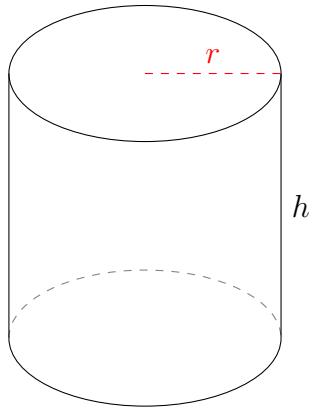


Area and Volume of Cylinders (F)

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.

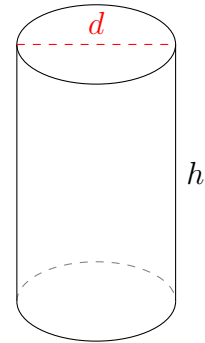


$$r = 1.8 \text{ cm} \quad h = 3.5 \text{ cm}$$

Surface Area =

Volume =

2.

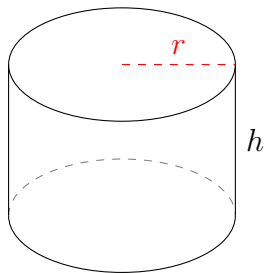


$$d = 2.1 \text{ AU} \quad h = 3.4 \text{ AU}$$

Surface Area =

Volume =

3.

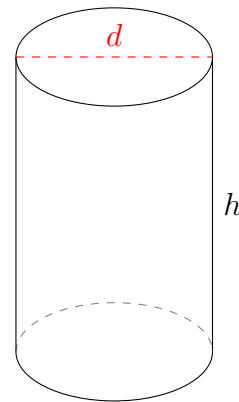


$$r = 1.5 \text{ mi} \quad h = 2 \text{ mi}$$

Surface Area =

Volume =

4.



$$d = 2.6 \text{ cm} \quad h = 3.9 \text{ cm}$$

Surface Area =

Volume =