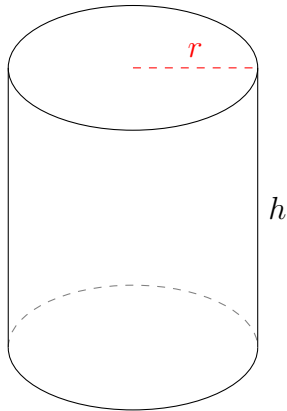


# Area and Volume of Cylinders (J)

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.

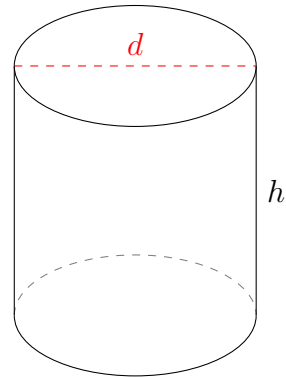


$$r = 3.3 \text{ cm} \quad h = 7.4 \text{ cm}$$

Surface Area =

Volume =

2.

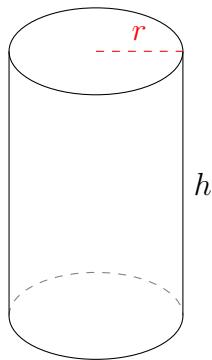


$$d = 25.6 \text{ in} \quad h = 26.4 \text{ in}$$

Surface Area =

Volume =

3.

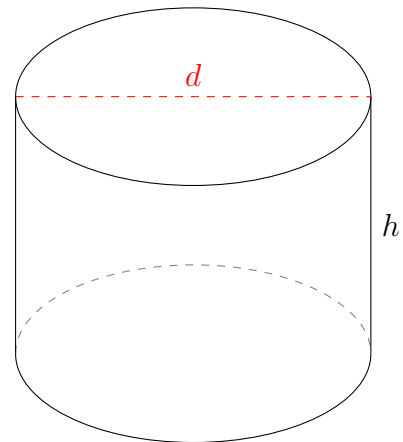


$$r = 1.15 \text{ in} \quad h = 3.5 \text{ in}$$

Surface Area =

Volume =

4.



$$d = 28.2 \text{ ft} \quad h = 20.4 \text{ ft}$$

Surface Area =

Volume =