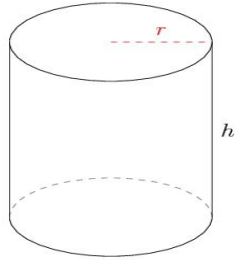


## Area and Volume of Cylinders (D)

Calculate the surface area and volume for each cylinder.

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

1.

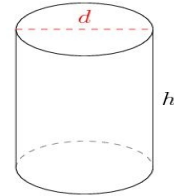


$r = 8.5 \text{ nm}$        $h = 19 \text{ nm}$

Surface Area =

Volume =

2.

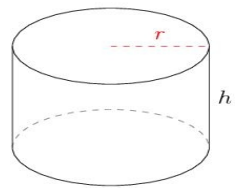


$d = 4.6 \text{ in}$        $h = 6 \text{ in}$

Surface Area =

Volume =

3.

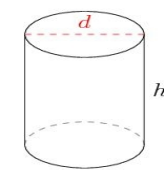


$r = 6.6 \text{ yd}$        $h = 8.8 \text{ yd}$

Surface Area =

Volume =

4.



$d = 10 \text{ cm}$        $h = 12 \text{ cm}$

Surface Area =

Volume =