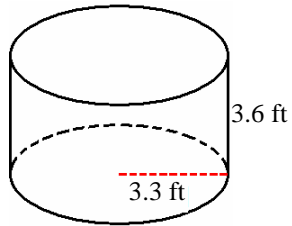


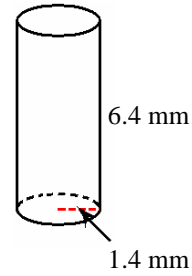
Volume and Surface Area of Cylinders (J)

Instructions: Find the volume and surface area for each Cylinders.

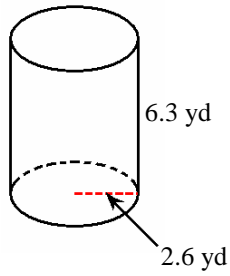
1)



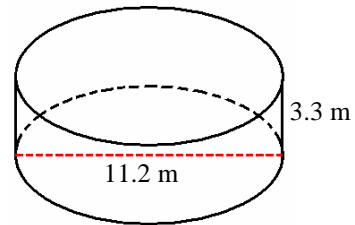
2)



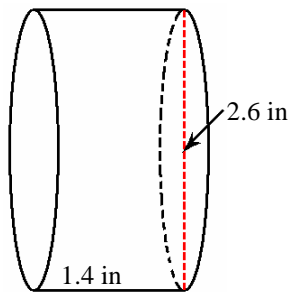
3)



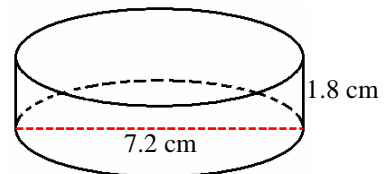
4)



5)



6)

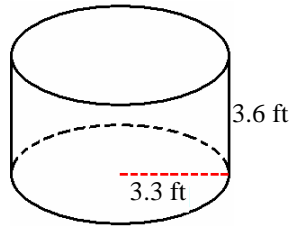


Volume and Surface Area of Cylinders Answer (J)

Instructions: Find the volume and surface area for each Cylinders.

Formula: Volume (V) = $\pi r^2 h$, Surface Area (A) = $2\pi r(r+h)$, $\pi = 3.14$

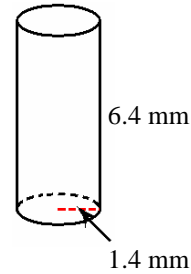
1)



$$V = 3.14 \times 3.3 \times 3.3 \times 3.6 = 123.1 \text{ ft}^3$$

$$A = (2 \times 3.14 \times 3.3) \times (3.3 + 3.6) = 143.0 \text{ ft}^2$$

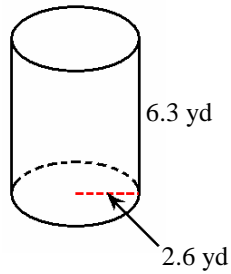
2)



$$V = 3.14 \times 1.4 \times 1.4 \times 6.4 = 39.4 \text{ mm}^3$$

$$A = (2 \times 3.14 \times 1.4) \times (1.4 + 6.4) = 68.6 \text{ mm}^2$$

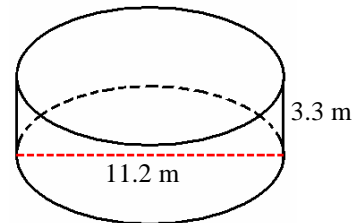
3)



$$V = 3.14 \times 2.6 \times 2.6 \times 6.3 = 133.7 \text{ yd}^3$$

$$A = (2 \times 3.14 \times 2.6) \times (2.6 + 6.3) = 145.3 \text{ yd}^2$$

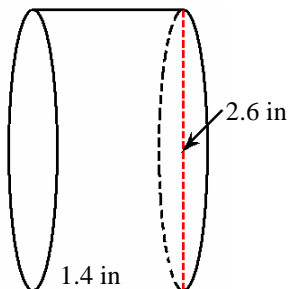
4)



$$V = 3.14 \times 5.6 \times 5.6 \times 3.3 = 325.0 \text{ m}^3$$

$$A = (2 \times 3.14 \times 5.6) \times (5.6 + 3.3) = 313.0 \text{ m}^2$$

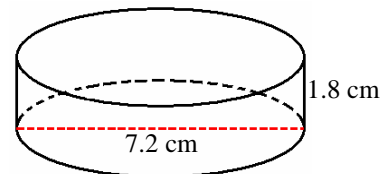
5)



$$V = 3.14 \times 1.3 \times 1.3 \times 1.4 = 7.4 \text{ in}^3$$

$$A = (2 \times 3.14 \times 1.3) \times (1.3 + 1.4) = 22.0 \text{ in}^2$$

6)



$$V = 3.14 \times 3.6 \times 3.6 \times 1.8 = 73.2 \text{ cm}^3$$

$$A = (2 \times 3.14 \times 3.6) \times (3.6 + 1.8) = 122.1 \text{ cm}^2$$