

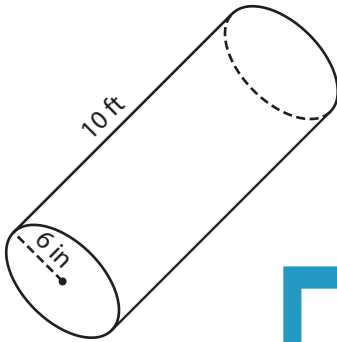
Name : \_\_\_\_\_

## Volume - Cylinder

Integers: DS5

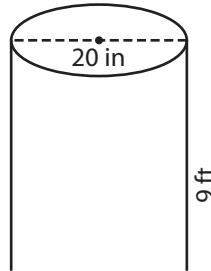
A) Find the volume of each cylinder. Round your answer to two decimal places. (use  $\pi = 3.14$ )

1)



Volume = \_\_\_\_\_

2)



B) Find the volume of each cylinder. Round your answer to two decimal places.

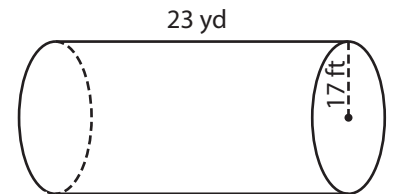
4) radius = 21 in ; height = 10 ft

Volume = \_\_\_\_\_

6) height = 4 yd ; radius = 3 ft

Volume = \_\_\_\_\_  $\text{in}^3$

3)



Volume = \_\_\_\_\_  $\text{yd}^3$

5) diameter = 14 ft ; height = 10 ft

7) diameter = 14 ft ; height = 12 ft

Volume = \_\_\_\_\_  $\text{yd}^3$

Volume = \_\_\_\_\_  $\text{ft}^3$

8) A cylindrical canister has diameter 6 inches and height 12 feet. Find the capacity of the mug. Round your answer to two decimal places. (use  $\pi = 3.14$ )

\_\_\_\_\_ cubic feet

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Name : \_\_\_\_\_

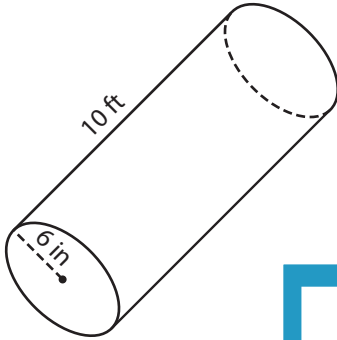
## Answer key

Integers: DS5

### Volume - Cylinder

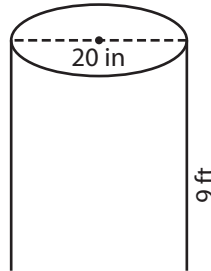
A) Find the volume of each cylinder. Round your answer to two decimal places. (use  $\pi = 3.14$ )

1)



Volume = 13,564.8

2)



B) Find the volume of each cylinder. Round your answer to two decimal places.

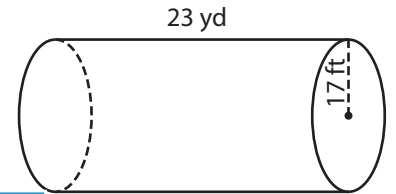
4) radius = 21 in ; height = 10 ft

Volume = 153.8

6) height = 4 yd ; radius = 17 ft

Volume = 76,415.04 in<sup>3</sup>

3)



Volume = 2,319.06 yd<sup>3</sup>

5) diameter = 14 ft ; height = 12 ft

Volume = 4.82 yd<sup>3</sup>

7) diameter = 6 in ; height = 12 ft

Volume = 5,425.92 ft<sup>3</sup>

8) A cylindrical canister has diameter 6 inches and height 12 feet. Find the capacity of the mug. Round your answer to two decimal places. (use  $\pi = 3.14$ )

2.36 cubic feet

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