

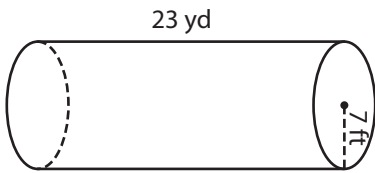
Name : \_\_\_\_\_

## Volume - Cylinder

Integers: DS6

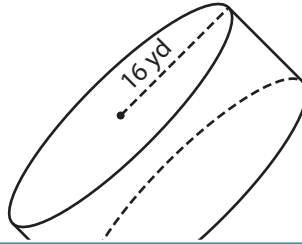
A) Find the volume of each cylinder. Round your answer to two decimal places. (use  $\pi = 3.14$ )

1)



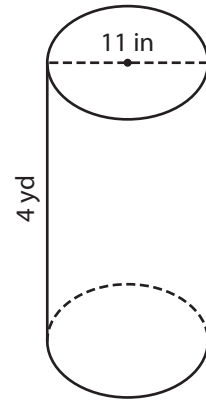
Volume = \_\_\_\_\_

2)



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

3)



Volume = \_\_\_\_\_ in<sup>3</sup>

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

4) diameter = 5 yd ; height = 10 yd

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

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5) radius = 12 in ; height = 8 in

Volume = \_\_\_\_\_ in<sup>3</sup>

6) radius = 21 ft ; height = 15 ft

Volume = \_\_\_\_\_ in<sup>3</sup>

7) diameter = 28 in ; height = 10 in

Volume = \_\_\_\_\_ ft<sup>3</sup>

Volume = \_\_\_\_\_ yd<sup>3</sup>

8) A cylindrical storage tank measures 6 feet in height and 84 inches in diameter. Find the volume of the tank. Round your answer to two decimal places. (use  $\pi = 3.14$ )

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

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

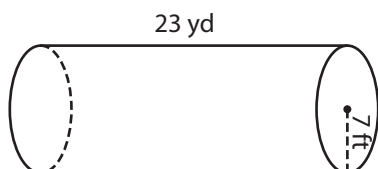
## Answer key

### Volume - Cylinder

Integers: DS6

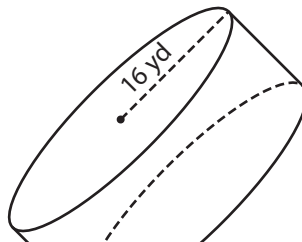
A) Find the volume of each cylinder. Round your answer to two decimal places. (use  $\pi = 3.14$ )

1)



Volume = 10,616.38

2)



# PREVIEW

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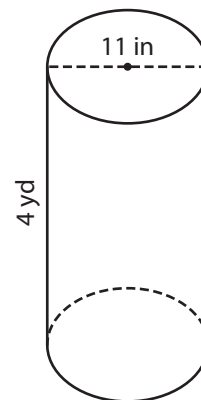
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Volume = 58.88

3)



Volume = 13,677.84 in<sup>3</sup>

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

4) diameter = 5 yd ; height = 10 yd

Volume = 58.88

5) radius = 12 in ; height = 10 in

Volume = 55.52 in<sup>3</sup>

6) radius = 21 ft ; height = 10 ft

Volume = 1,500.14 ft<sup>3</sup>

7) diameter = 28 in ; height = 10 in

Volume = 12.35 yd<sup>3</sup>

8) A cylindrical storage tank measures 6 feet in height and 84 inches in diameter. Find the volume of the tank. Round your answer to two decimal places. (use  $\pi = 3.14$ )

230.79 cubic feet