

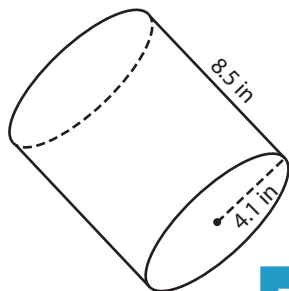
Name : \_\_\_\_\_

## Volume - Cylinder

Decimals: ES6

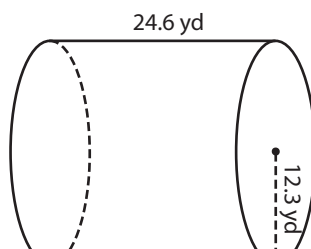
A) Find the volume of each cylinder. Round your answer to two decimal places. (use  $\pi = 3.14$ )

1)



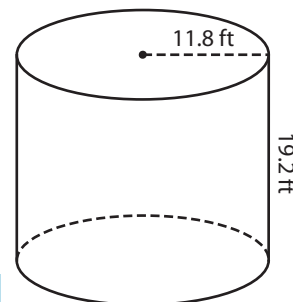
Volume = \_\_\_\_\_

2)



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

3)



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

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

4) radius = 17.3 yd ; height = 9.1 in

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

6) height = 18.6 ft ; radius = 15.2 yd

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

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

8) As part of a state-wide waste management drive, cylindrical bins of height 25.4 inches and radius 7.7 inches are installed around the campus. What is the volume of a bin? Round your answer to two decimal places. (use  $\pi = 3.14$ )

\_\_\_\_\_

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

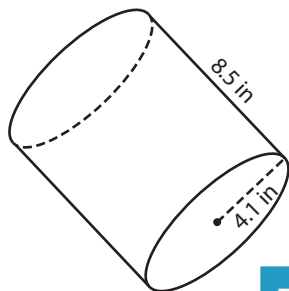
## Answer key

Decimals: ES6

### Volume - Cylinder

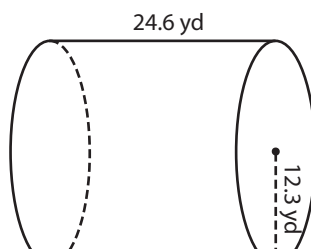
A) Find the volume of each cylinder. Round your answer to two decimal places. (use  $\pi = 3.14$ )

1)



Volume = 448.66

2)



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

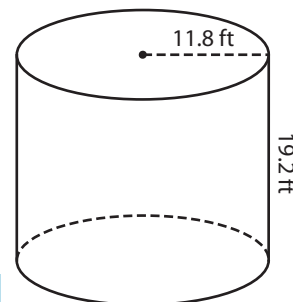
4) radius = 17.3 yd ; height = 9.1 in

Volume = 21,990.0

6) height = 18.6 ft ; radius = 15.2 yd

Volume = 5,957.79 ft<sup>3</sup>

3)



Volume = 8,394.5 ft<sup>3</sup>

5) height = 9.1 in ; radius = 15.2 yd

Volume = 32.69 in<sup>3</sup>

7) height = 18.6 ft ; radius = 15.2 yd

Volume = 15,597.51 yd<sup>3</sup>

8) As part of a state-wide waste management drive, cylindrical bins of height 25.4 inches and radius 7.7 inches are installed around the campus. What is the volume of a bin? Round your answer to two decimal places. (use  $\pi = 3.14$ )

4,728.73 cubic inches

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