

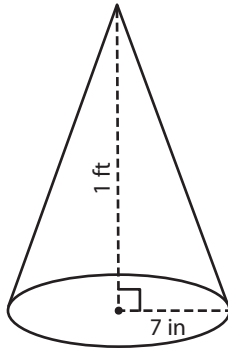
Name : \_\_\_\_\_

## Volume - Cone

Integers: DS4

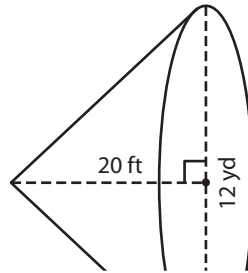
A) Find the volume of each cone. Round your answer to two decimal places.  
(use  $\pi = 3.14$ )

1)



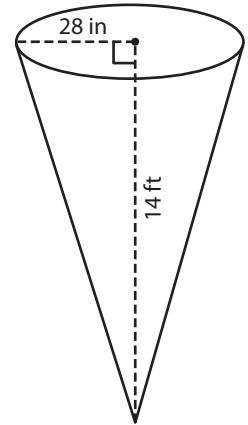
Volume = \_\_\_\_\_

2)



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

3)



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

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

4) radius = 15 in ; height = 10 in

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

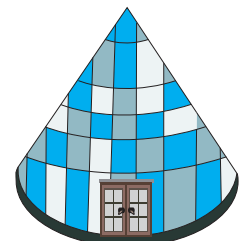
6) diameter = 26 ft ; height = 12 ft

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

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

8) A conical building has a height of 60 feet and a radius of 5 yards. What is the volume of air in the building? Round your answer to two decimal places. (use  $\pi = 3.14$ )

\_\_\_\_\_ cubic yards



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

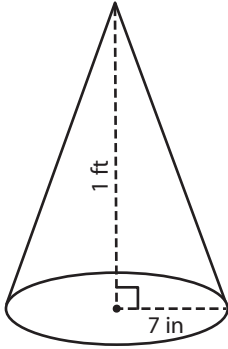
### Answer key

## Volume - Cone

Integers: DS4

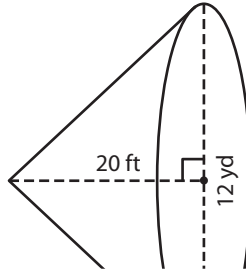
A) Find the volume of each cone. Round your answer to two decimal places.  
(use  $\pi = 3.14$ )

1)



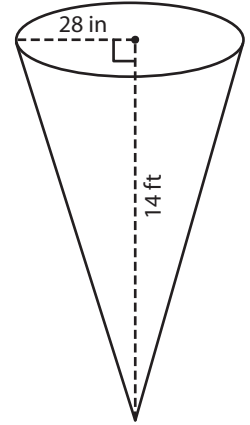
Volume = 615.44

2)



Volume = 16,95

3)



Volume = 79.78 ft<sup>3</sup>

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

4) radius = 15 in ; height = 5 yd

Volume = 16,95

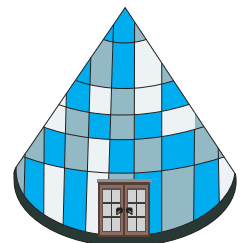
6) diameter = 26 ft ; height = 11.55 yd

Volume = 4,775.94 ft<sup>3</sup>

Volume = 11.55 yd<sup>3</sup>

8) A conical building has a height of 60 feet and a radius of 5 yards. What is the volume of air in the building? Round your answer to two decimal places. (use  $\pi = 3.14$ )

523.33 cubic yards



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