

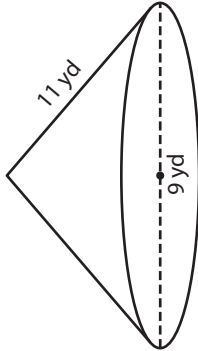
Name : \_\_\_\_\_

## Volume - Cone

Sheet 3

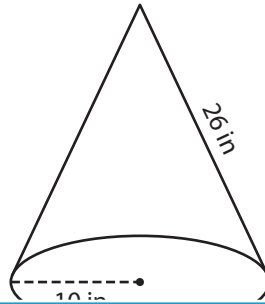
A) Find the volume of each cone. Round your answer to two decimal places.  
(use  $\pi = 3.14$ )

1)



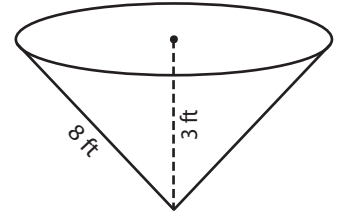
Volume = \_\_\_\_\_

2)



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

3)



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

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

4) diameter = 22 yd ; slant height = 10 yd

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

6) slant height = 10 ft ; radius = 3 ft

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

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5) radius = 4 ft ; slant height = 9 in

7) radius = 5 ft ; slant height = 17 yd

8) The slant height of a conical perfume bottle is 6 inches and the diameter is 2 inches. Find the volume of the bottle. Round your answer to two decimal places. (use  $\pi = 3.14$ )

\_\_\_\_\_



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

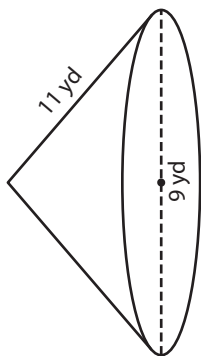
## Answer key

### Volume - Cone

Sheet 3

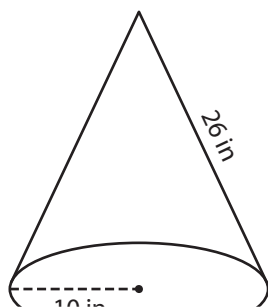
A) Find the volume of each cone. Round your answer to two decimal places.  
(use  $\pi = 3.14$ )

1)



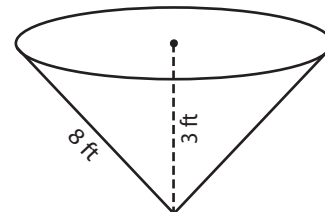
Volume = 212.74

2)



Volume = 1,962

3)



Volume = 172.7 ft<sup>3</sup>

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

4) diameter = 22 yd ; slant height = 10 yd

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5) radius = 3 in ; height = 9 in

Volume = 1,962

Volume = 5.81 in<sup>3</sup>

6) slant height = 10 ft ; radius = 6 ft

7) radius = 17 yd ; slant height = 17 yd

Volume = 373.66 ft<sup>3</sup>

Volume = 1,438.93 yd<sup>3</sup>

8) The slant height of a conical perfume bottle is 6 inches and the diameter is 2 inches. Find the volume of the bottle. Round your answer to two decimal places. (use  $\pi = 3.14$ )

6.19 cubic inches

