

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

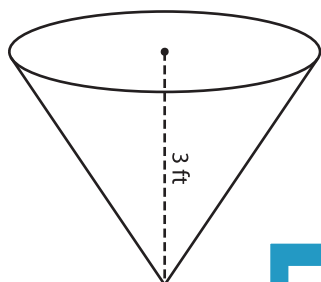
# Volume - Cone

A) Find the indicated measure in each cone. Round your answer to the nearest tenth. (use  $\pi = 3.14$ )

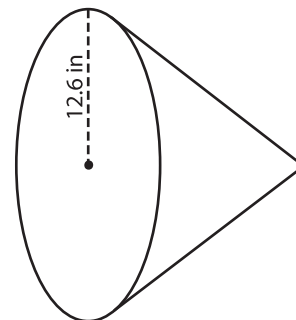
1) Volume =  $12.56 \text{ ft}^3$

2) Volume =  $1,032 \text{ yd}^3$

3) Volume =  $2,701.7 \text{ in}^3$



diameter = \_\_\_\_\_



height = \_\_\_\_\_

B) Find the indicated measure in each cone. Round your answer to the nearest tenth. (use  $\pi = 3.14$ )

4) Volume =  $5,898.49 \text{ ft}^3$

slant height = \_\_\_\_\_

radius = \_\_\_\_\_

height = \_\_\_\_\_

Volume =  $1,032 \text{ yd}^3$ ; height =  $14.1 \text{ yd}$

Volume =  $867.98 \text{ in}^3$ ; height =  $21 \text{ ft}$

slant height = \_\_\_\_\_

6) Volume =  $867.98 \text{ in}^3$

Volume =  $867.98 \text{ in}^3$ ; height =  $21 \text{ ft}$

height = \_\_\_\_\_

radius = \_\_\_\_\_

8) A conical sugar sifter has a height of 4 inches. If the sifter has a volume of 25.12 cubic inches, what is its radius? Round your answer to the nearest tenth. (use  $\pi = 3.14$ )



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