

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

## Volume - Cylinder

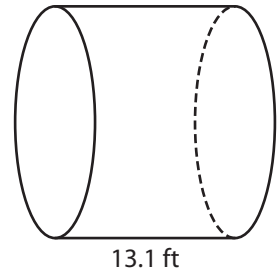
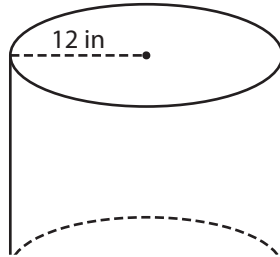
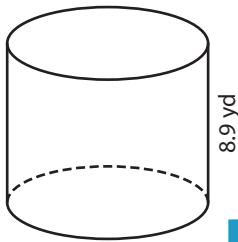
L2S3

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

1) Volume =  $845.37 \text{ yd}^3$

2) Volume =  $7,912 \text{ in}^3$

3) Volume =  $3,914.9 \text{ ft}^3$



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

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

B) Find the indicated measure.  
(use  $\pi = 3.14$ )

4) Volume =  $2,003.5 \text{ yd}^3$

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

6) Volume =  $508.68 \text{ in}^3$

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

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nearest tenth.

Volume =  $2,003.5 \text{ yd}^3$ ; height =  $30 \text{ in}$

Volume =  $508.68 \text{ in}^3$ ; height =  $12.2 \text{ yd}$

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

8) A cylindrical trash can in Lia's kitchen has a diameter of 1.3 feet. Find the height of the trash can, if its volume is 2.65 cubic feet. Round your answer to nearest tenth.  
(use  $\pi = 3.14$ )

\_\_\_\_\_

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

## Answer key

### Volume - Cylinder

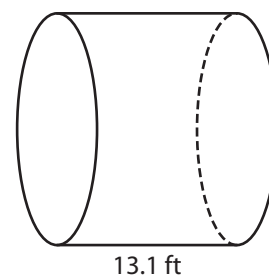
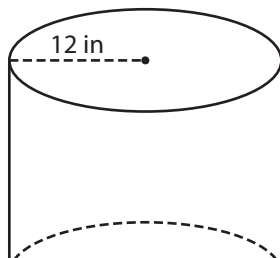
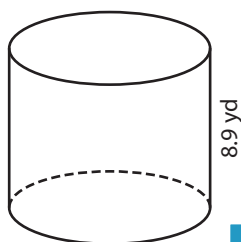
L2S3

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

1) Volume =  $845.37 \text{ yd}^3$

2) Volume =  $7,912 \text{ in}^3$

3) Volume =  $3,914.9 \text{ ft}^3$



diameter = 11 yd

# PREVIEW

radius = 9.8 ft

B) Find the indicated measure.  
(use  $\pi = 3.14$ )

4) Volume =  $2,003.5 \text{ yd}^3$

height = 12.2 yd

6) Volume =  $508.68 \text{ in}^3$

height = 8 in

diameter = 10.2 yd

8) A cylindrical trash can in Lia's kitchen has a diameter of 1.3 feet. Find the height of the trash can, if its volume is 2.65 cubic feet. Round your answer to nearest tenth.  
(use  $\pi = 3.14$ )

2 feet

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