

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

## Volume - Cylinder

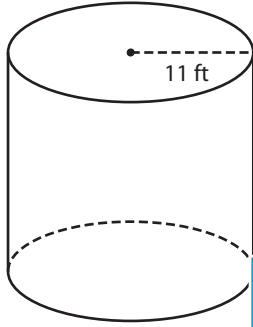
L151

A) Find the indicated measure.

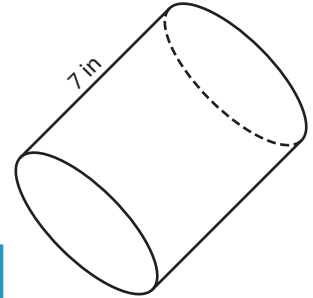
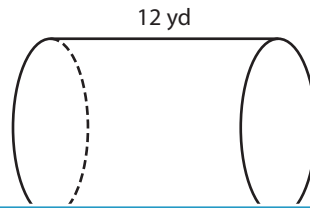
1) Volume =  $2,178\pi \text{ ft}^3$

2) Volume =  $972\pi \text{ yd}^3$

3) Volume =  $63\pi \text{ in}^3$



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



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

B) Find the indicated measure.

4) Volume =  $11,025\pi \text{ ft}^3$

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

6) Volume =  $6,144\pi \text{ in}^3$

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

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

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Volume =  $1,351\pi \text{ yd}^3$ ; radius = 17 yd

Volume =  $1,570\pi \text{ ft}^3$ ; diameter = 40 ft

8) A cylindrical flower vase has a height of 9 inches and volume of  $144\pi$  cubic inches. Find the radius of the flower vase.

\_\_\_\_\_

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

## Answer key

### Volume - Cylinder

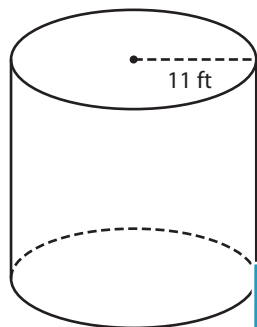
L151

A) Find the indicated measure.

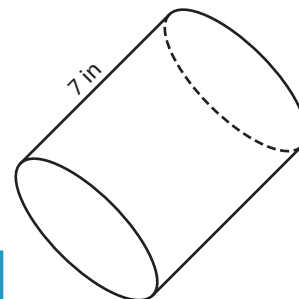
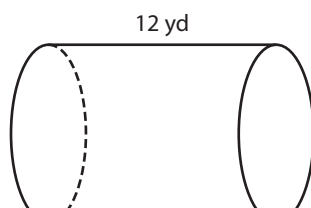
1) Volume =  $2,178\pi \text{ ft}^3$

2) Volume =  $972\pi \text{ yd}^3$

3) Volume =  $63\pi \text{ in}^3$



height = 18 ft



diameter = 6 in

B) Find the indicated measure.

4) Volume =  $11,025\pi \text{ ft}^3$

diameter = 40 ft

6) Volume =  $6,144\pi \text{ in}^3$

radius = 16 in

height = 27 ft

8) A cylindrical flower vase has a height of 9 inches and volume of  $144\pi$  cubic inches. Find the radius of the flower vase.

4 inches

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