

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

## Volume - Cone

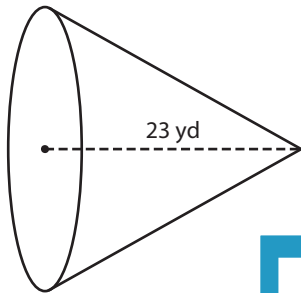
L1S2

A) Find the indicated measure in each cone.

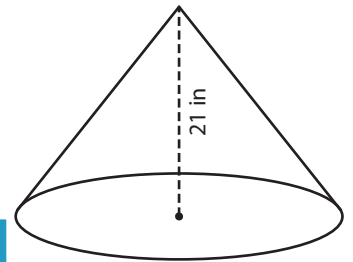
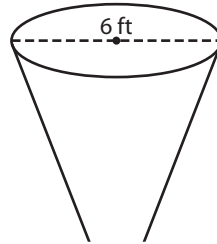
1) Volume =  $1,725\pi$  yd<sup>3</sup>

2) Volume =  $96\pi$  ft<sup>3</sup>

3) Volume =  $2,800\pi$  in<sup>3</sup>



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



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

B) Find the indicated

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4) Volume =  $12\pi$  yd<sup>3</sup>; c

ft<sup>3</sup>; height = 27 ft

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

6) Volume =  $1,188\pi$  in<sup>3</sup>

ft<sup>3</sup>; radius = 5 yd

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

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

8) A conical magnet has a volume of  $3\pi$  cubic inches. If the height of the magnet is 4 inches, find its diameter.

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

## Answer key

### Volume - Cone

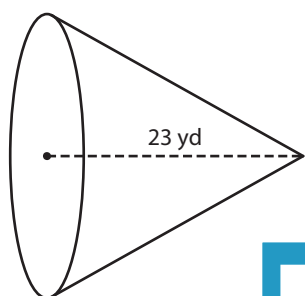
L1S2

A) Find the indicated measure in each cone.

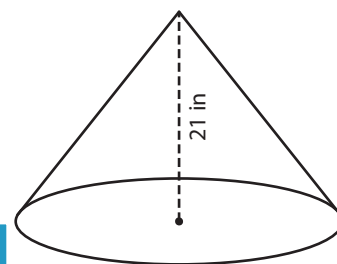
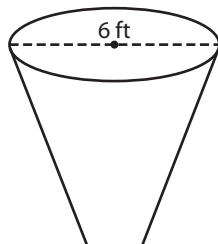
1) Volume =  $1,725\pi \text{ yd}^3$

2) Volume =  $96\pi \text{ ft}^3$

3) Volume =  $2,800\pi \text{ in}^3$



radius = 15



ant height = 29 in

B) Find the indicated

4) Volume =  $12\pi \text{ yd}^3$ ; c

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$\text{ft}^3$ ; height = 27 ft

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

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40 ft

6) Volume =  $1,188\pi \text{ in}^3$

$\text{in}^3$ ; radius = 5 yd

radius = 18 in

height = 9 yd

8) A conical magnet has a volume of  $3\pi$  cubic inches. If the height of the magnet is 4 inches, find its diameter.

3 inches