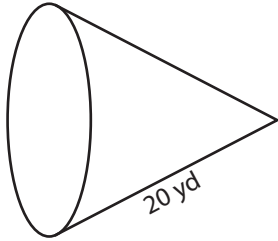


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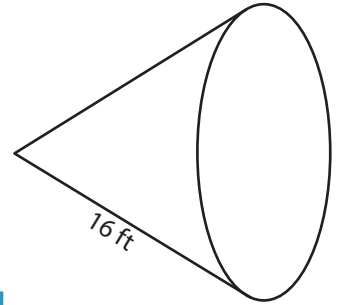
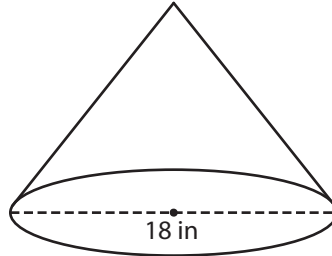
# Surface Area - Cone

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

- 1) Surface Area =  $1,205.76 \text{ yd}^2$     2) Surface Area =  $593.46 \text{ in}^2$     3) Surface Area =  $932.58 \text{ ft}^2$



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



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

B) Find the indicated

- 4) Surface Area =  $942 \text{ ft}^2$ , slant height = 10 ft, diameter = 10 yd

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

- 6) Surface Area =  $1,036.2 \text{ in}^2$ , radius = 10 in, slant height = 12 ft

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

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

C) The surface area of a cone is 94.2 square yards. If its slant height is 7 yards, determine the radius of the cone. (use  $\pi = 3.14$ )

\_\_\_\_\_

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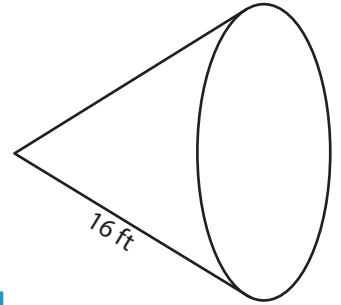
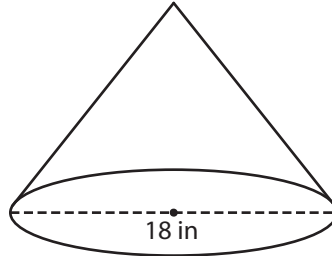
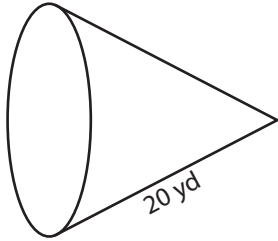
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Name : \_\_\_\_\_

**Surface Area - Cone**

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

- 1) Surface Area = 1,205.76 yd<sup>2</sup>    2) Surface Area = 593.46 in<sup>2</sup>    3) Surface Area = 932.58 ft<sup>2</sup>



height = 16 yd

radius = 11 ft

B) Find the indicated

- 4) Surface Area = 942 ft<sup>2</sup>, s \_\_\_\_\_ yd<sup>2</sup>, diameter = 10 yd

height = 5

8 yd

- 6) Surface Area = 1,036.2 in<sup>2</sup>, \_\_\_\_\_ ft<sup>2</sup>, slant height = 12 ft

slant height = 19 in

diameter = 20 ft

C) The surface area of a cone is 94.2 square yards. If its slant height is 7 yards, determine the radius of the cone. (use  $\pi = 3.14$ )

6 yards

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