

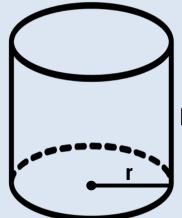
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## Finding the Surface Area of a Cylinder

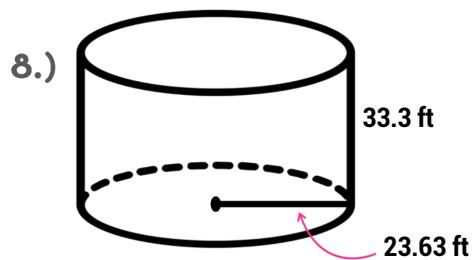
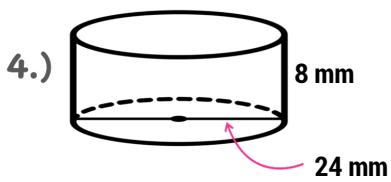
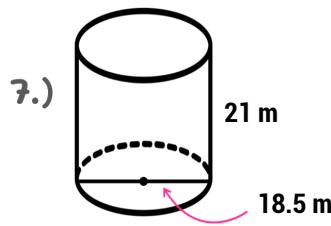
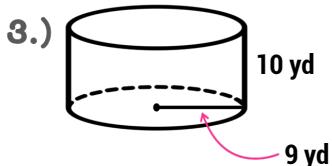
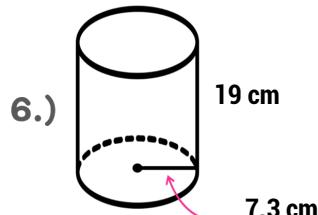
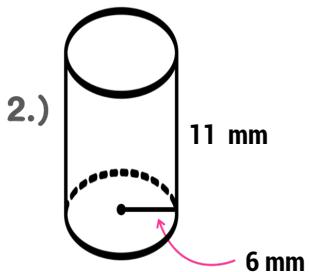
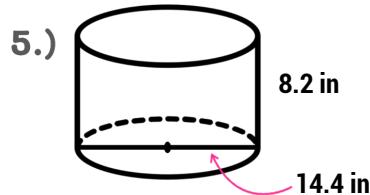
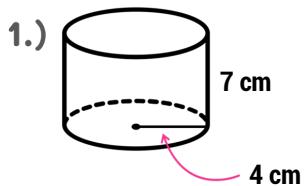
### Surface Area of a Cylinder Formula

$$SA = 2\pi rh + 2\pi r^2$$



Where  $r$  is the radius of the base of the cylinder and  $h$  is the height.

**Directions:** Find the surface area of each cylinder and round your answer to the nearest tenth.



## ANSWER KEY

- 1.)  $SA = 276.5 \text{ cm}^2$
  - 2.)  $SA = 640.9 \text{ mm}^2$
  - 3.)  $SA = 1,074.4 \text{ yd}^2$
  - 4.)  $SA = 4,825.5 \text{ mm}^2$
  - 5.)  $SA = 696.7 \text{ in}^2$
  - 6.)  $SA = 1,206.3 \text{ cm}^2$
  - 7.)  $SA = 4,591.4 \text{ m}^2$
- 8.)  
 $SA = 8,452.5 \text{ ft}^2$