

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

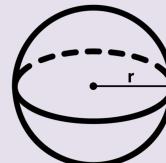
## Finding the Surface Area of a Sphere



### Surface Area of a Sphere Formula

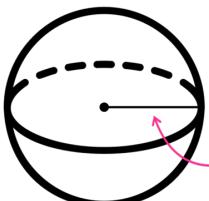
$$V = 4\pi r^2$$

Where  $r$  is the radius of the sphere.

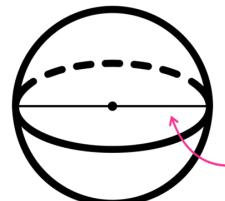


**Directions:** Find the surface area of each sphere and round your answer to the nearest tenth.

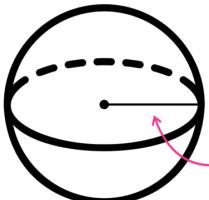
1.)



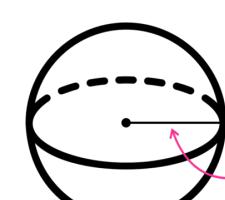
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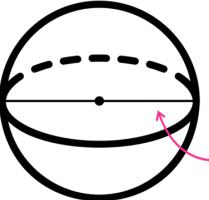
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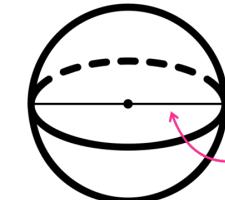
6.)



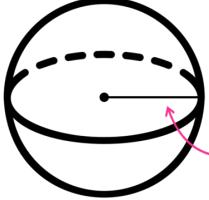
3.)



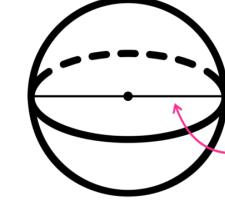
7.)



4.)



8.)



## ANSWER KEY

- 1.)  $SA = 113.1 \text{ ft}^2$
- 2.)  $SA = 1,256.6 \text{ cm}^2$
- 3.)  $SA = 1,017.9 \text{ mm}^2$
- 4.)  $SA = 530.9 \text{ in}^2$
- 5.)  $SA = 5,541.8 \text{ mm}^2$
- 6.)  $SA = 66.5 \text{ mi}^2$
- 7.)  $SA = 2,290.2 \text{ m}^2$
- 8.)  $SA = 3,804.6 \text{ ft}^3$