

Name: _____

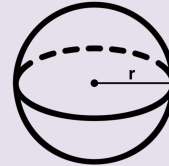
Finding the Surface Area of a Sphere



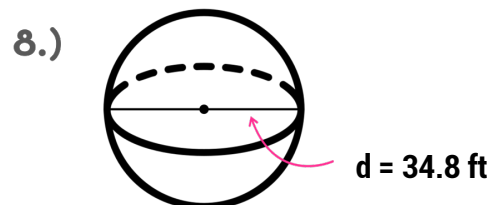
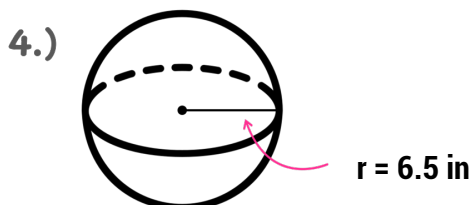
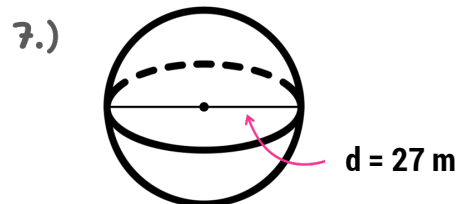
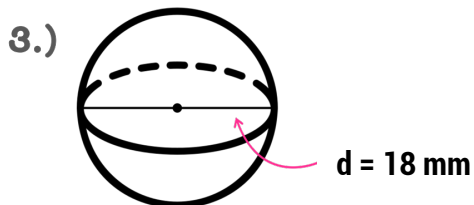
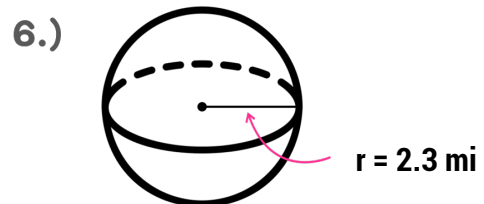
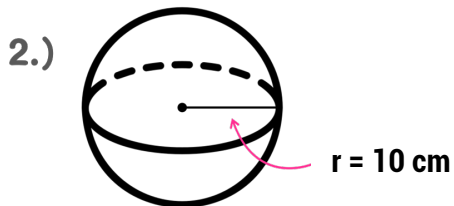
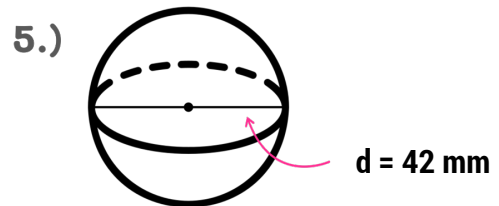
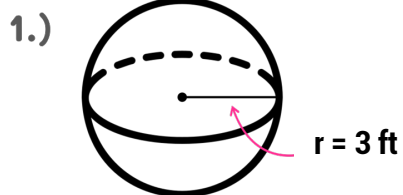
Surface Area of a Sphere Formula

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

Where r is the radius of the sphere.



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



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.) $SA = 3,804.6 \text{ ft}^3$