

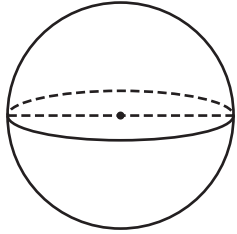
Name : \_\_\_\_\_

# Surface Area - Sphere & Hemisphere

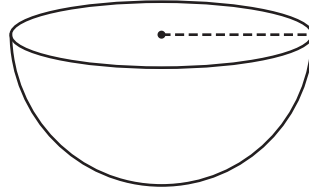
Sheet 1

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

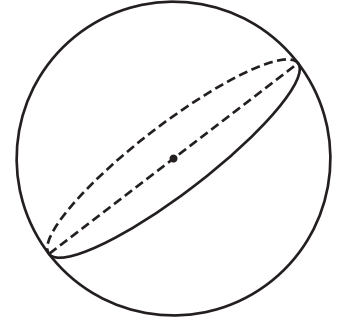
1) Surface Area =  $379.94 \text{ in}^2$



2) Surface Area =  $1,356.48 \text{ ft}^2$

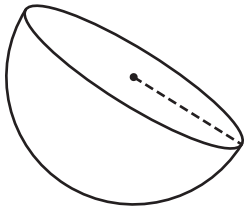


3) Surface Area =  $706.5 \text{ yd}^2$



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

4) Surface Area =  $339.12 \text{ yd}^2$



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

7) What is the radius of the hemisphere?

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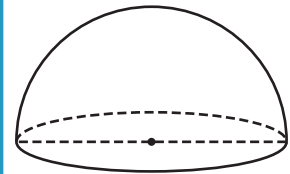
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diameter = \_\_\_\_\_

Surface Area =  $461.58 \text{ in}^2$



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

(use  $\pi = 3.14$ )

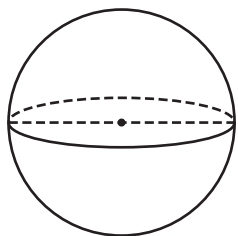
8) Determine the diameter of the hemisphere whose surface area is  $763.02$  square feet. (use  $\pi = 3.14$ )

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

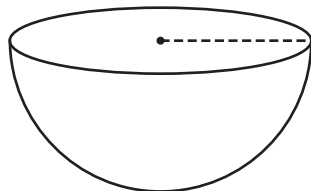
**Surface Area - Sphere & Hemisphere**

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

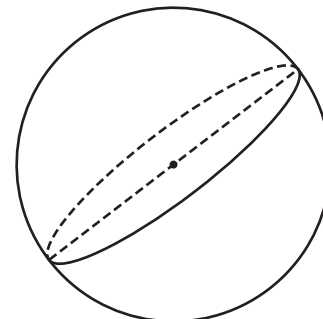
1) Surface Area =  $379.94 \text{ in}^2$



2) Surface Area =  $1,356.48 \text{ ft}^2$



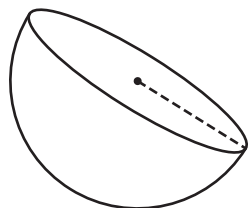
3) Surface Area =  $706.5 \text{ yd}^2$



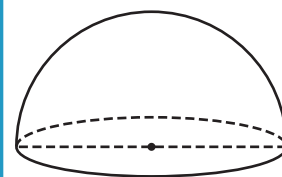
diameter = 11 in

diameter = 15 yd

4) Surface Area =  $339.12 \text{ yd}^2$



Surface Area =  $461.58 \text{ in}^2$



radius = 6 yd

diameter = 14 in

7) What is the radius of the

(use  $\pi = 3.14$ )

**PREVIEW**

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10 inches

8) Determine the diameter of the hemisphere whose surface area is  $763.02$  square feet. (use  $\pi = 3.14$ )

18 feet