

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

Score: \_\_\_\_\_

**Surface Area of a Sphere**

Work Space

Radius of a sphere is 6 inches. Find the surface area of a sphere.  Answer:	
Diameter of a spherical ball is 16 cm. Find the surface area of a sphere.  Answer:	
Find the surface area of a sphere with radius 4.2 yards. Round your answer to the nearest tenth place.  Answer:	
Diameter of a sphere = 6.9 inches. Find the surface area of a sphere to the nearest hundredths.  Answer:	
Find the surface area of a spherical balloon with radius $\frac{3}{2}$ feet.  Answer:	

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**Answers:**

Work Space

Radius of a sphere is 6 inches. Find the surface area of a sphere.  Answer: $144\pi \text{ in}^2$	
Diameter of a spherical ball is 16 cm. Find the surface area of a sphere.  Answer: $256\pi \text{ cm}^2$	
Find the surface area of a sphere with radius 4.2 yards. Round your answer to the nearest tenth place.  Answer: $221.7 \text{ yd}^2$	
Diameter of a sphere = 6.9 inches. Find the surface area of a sphere to the nearest hundredths.  Answer: $149.57 \text{ in}^2$	
Find the surface area of a spherical balloon with radius $\frac{3}{2}$ feet.  Answer: $9\pi \text{ ft}^2$	