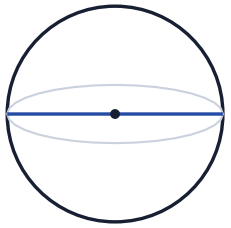
Name _____ Score _____ Teacher _____ Date _____

Surface Area and Volume of Spheres

Find both the total surface area and volume. sqrt(n) means the square root of n. Use calculator pi, retain intermediate precision, and round final answers to the nearest hundredth.

1. Sphere: Find the surface area and volume.

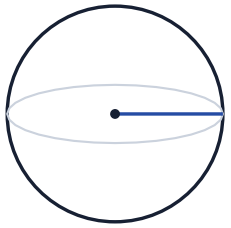


not to scale

Given: diameter = 40 mm

Formula and work:

2. Sphere: Find the surface area and volume.



not to scale

Given: radius = 11 cm

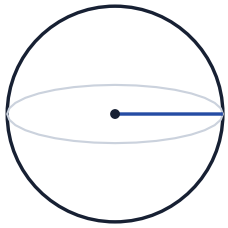
Formula and work:

Name _____ Score _____ Teacher _____ Date _____

Surface Area and Volume of Spheres

Find both the total surface area and volume. sqrt(n) means the square root of n. Use calculator pi, retain intermediate precision, and round final answers to the nearest hundredth.

3. **Sphere: Find the surface area and volume.**

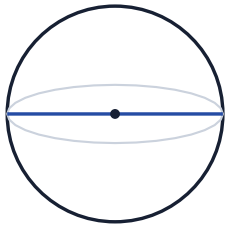


not to scale

Given: radius = 17 in

Formula and work:

4. **Sphere: Find the surface area and volume.**



not to scale

Given: diameter = 56 yd

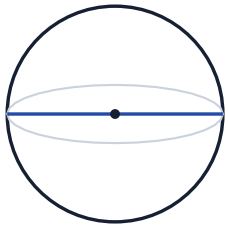
Formula and work:

Name _____ Score _____ Teacher _____ Date _____

Surface Area and Volume of Spheres

Find both the total surface area and volume. sqrt(n) means the square root of n. Use calculator pi, retain intermediate precision, and round final answers to the nearest hundredth.

5. **Sphere: Find the surface area and volume.**

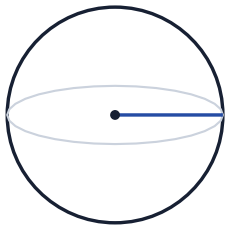


not to scale

Given: diameter = 50 ft

Formula and work:

6. **Sphere: Find the surface area and volume.**



not to scale

Given: radius = 8 yd

Formula and work: